

Set	Items	Description
S1	0	AU=(JAUGILAS J? OR JAUGILAS, J?)
S2	3395679	DATA? ? OR INFORMATION OR INFO
S3	66061	NAVIGAT?
S4	1316952	INTESECT? OR CROSS??? OR MEET? OR LINK? OR OVERLAP? OR ENC- ROACH?
S5	341452	INDEX?? OR INDICES OR POINTER? ?
S6	2383586	PARCEL? OR SPATIAL? OR SPACE? ? OR SEGMENT? OR GROUP? ? OR DIVISION? ?
S7	1945228	GEOGRAPH? OR LOCATION? OR AREA? ? OR REGION? ? OR ZONE? ? - OR SUBAREA OR SUBREGION? OR LOCALIT?
S8	6077391	SOFTWARE? ? OR PROGRAM? OR APPLICATION? ? OR FREEWARE? OR - SHAREWARE? OR SYSTEM? ?
S9	20105	S3(5N)S8
S10	86679	S2(5N)S7
S11	622	S9 AND S10
S12	19	S11 AND S5
S13	158	S11 AND S6
S14	41	S9 AND S5 AND S6
S15	208	S12 OR S13 OR S14
S16	24	S15 AND S4
S17	47	(S12 OR S14 OR S16) NOT PY>1997
S18	46	S17 NOT PD=19970905:20000905
S19	43	RD (unique items)
File	2:INSPEC 1969-2004/May W4	
	(c) 2004 Institution of Electrical Engineers	
File	35:Dissertation Abs Online 1861-2004/May	
	(c) 2004 ProQuest Info&Learning	
File	65:Inside Conferences 1993-2004/May W5	
	(c) 2004 BLDSC all rts. reserv.	
File	99:Wilson Appl. Sci & Tech Abs 1983-2004/Apr	
	(c) 2004 The HW Wilson Co.	
File	233:Internet & Personal Comp. Abs. 1981-2003/Sep	
	(c) 2003 EBSCO Pub.	
File	474:New York Times Abs 1969-2004/Jun 02	
	(c) 2004 The New York Times	
File	475:Wall Street Journal Abs 1973-2004/Jun 02	
	(c) 2004 The New York Times	
File	583:Gale Group Globalbase(TM) 1986-2002/Dec 13	
	(c) 2002 The Gale Group	
File	256:SoftBase:Reviews,Companies&Prods. 82-2004/May	
	(c)2004 Info.Sources Inc	

19/5/1 (Item 1 from file: 2)

DIALOG(R)File 2:INSPEC

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7067776 INSPEC Abstract Number: C2001-11-7230-026

Title: A classification of web adaptivity: tailoring content and navigational systems of advanced web applications

Author(s): Scharl, A.

Author Affiliation: Dept. of Inf. Syst., Vienna Univ. of Econ. & Bus. Adm., Austria

Book Title: Web engineering. Managing diversity and complexity of web application development p.156-69

Editor(s): Murugesan, S.; Deshpande, Y.

Publisher: Springer-Verlag, Berlin, Germany

Country of Publication: Germany ix+355 pp.

ISBN: 3 540 42130 0 Material Identity Number: XB-2001-00042

Language: English Document Type: Book Chapter (BC)

Treatment: Practical (P)

Abstract: All texts and, more specifically, their electronically distributed variations are multimodally articulated, integrating language, spatial arrangements, visual elements, and other semiotic modes. Users usually have varying preferences regarding multimodal access representations or differing capacities to make use of them. The number of alternatives provided by paper-based media is inherently limited. Adaptive hypertext applications do not share this limitation. This paper reviews popular methods and classifies them into three categories of information and their corresponding interface representation: Content of documents, primary navigational system (comprising links between and within these documents), and supplemental navigational systems (e.g., index pages, trails, guided tours, local and global maps). (54 Refs)

Subfile: C

Descriptors: hypermedia; inference mechanisms; information resources; Internet; user modelling

Identifiers: web adaptivity; navigational systems ; advanced web applications; electronically distributed variations; semiotic modes; multimodal access representations; adaptive hypertext applications; primary navigational system ; supplemental navigational systems ; index pages; trails; guided tours; global maps; local maps

Class Codes: C7230 (Publishing and reproduction); C6130D (Document processing techniques); C6130M (Multimedia); C7210N (Information networks); C6170K (Knowledge engineering techniques)

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19/5/2 (Item 2 from file: 2)

DIALOG(R)File 2:INSPEC

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5780827 INSPEC Abstract Number: A9802-9365-010, B9801-7710B-081, C9801-7340-084

Title: Online access to weather satellite imagery through the World Wide Web

Author(s): Emery, W.

Author Affiliation: Colorado Univ., Boulder, CO, USA

Conference Title: IGARSS'97. 1997 International Geoscience and Remote Sensing Symposium. Remote Sensing - A Scientific Vision for Sustainable Development (Cat. No.97CH36042) Part vol.4 p.1502-4 vol.4

Editor(s): Stein, T.I.

Publisher: IEEE, New York, NY, USA

Publication Date: 1997 Country of Publication: USA 4 vol. lxxi+2105

pp.

ISBN: 0 7803 3836 7 Material Identity Number: XX97-02132
U.S. Copyright Clearance Center Code: 0 7803 3836 7/97/\$10.00
Conference Title: IGARSS'97. 1997 IEEE International Geoscience and
Remote Sensing Symposium Proceedings. Remote Sensing - A Scientific Vision
for Sustainable Development

Conference Sponsor: IEEE Geosci. & Remote Sensing Soc.; Centre for Remote
Imaging, Sensing & Processing, Nat. Univ. Singapore; NASA; NOAA; Office of
Naval Res.; URSI

Conference Date: 3-8 Aug. 1997 Conference Location: Singapore

Language: English Document Type: Conference Paper (PA)

Treatment: New Developments (N); Practical (P)

Abstract: Both Global Area Coverage (GAC, 4 km) and High Resolution
Picture Transmission (HRPT, 1 km) data from the Advanced Very High
Resolution Radiometer (AVHRR) are made available to Internet users through
an online data access system. Created as a "testbed" data system for the
National Aeronautics and Space Administration's (NASAs) future Earth
Observing System Data and Information System (EOSDIS), this testbed
provides an opportunity to test both the technical requirements of an
online data system and the different ways in which the user community would
employ such a system. Initiated in December, 1991 the basic data system
experienced 5 major evolutionary changes in response to user requests.
Features added with these changes were online browse, user subsetting,
dynamic image processing/ **navigation**, a stand-alone data storage **system**
and movement from an X-windows GUI interface to a WWW interface. Over its
lifetime the system has had as many as 2,500 registered users. Recent
additions include a realtime 7-day, northwestern U.S. Normalized difference
vegetation **index** (NDVI) composite, a GAC SST composite, a daily image of
Colorado and an NDVI image for North America. (0 Refs)

Subfile: A B C

Descriptors: atmospheric techniques; **geographic information systems**;
geophysics computing; information retrieval systems; Internet; meteorology;
remote sensing

Identifiers: atmosphere; meteorology; satellite remote sensing; data
archive; online availability; measurement technique; AVHRR; optical imaging
; visible region; infrared image; picture archiving; Internet; online
access; weather satellite imagery; WWW; World Wide Web; Global Area
Coverage; GAC; High Resolution Picture Transmission; HRPT; Earth Observing
System Data and Information System; EOSDIS; online data system; online
browse; user subsetting; dynamic image processing; user interface; GIS

Class Codes: A9365 (Data and information; acquisition, processing,
storage and dissemination in geophysics); A9385 (Instrumentation and
techniques for geophysical, hydrospheric and lower atmosphere research);
A9260 (Lower atmosphere); B7710B (Atmospheric, ionospheric and
magnetospheric techniques and equipment); B6140C (Optical information,
image and video signal processing); C7340 (Geophysics computing); C6160S (Spatial
and pictorial databases); C7250L (Non-bibliographic retrieval
systems)

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19/5/3 (Item 3 from file: 2)

DIALOG(R) File 2:INSPEC

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5729258 INSPEC Abstract Number: B9712-5210C-006

Title: **Equatorial scintillation and systems support**

Author(s): Groves, K.M.; Basu, S.; Weber, E.J.; Smitham, M.; Kuenzler, H.
; Valladares, C.E.; Sheehan, R.; MacKenzie, E.; Secan, J.A.; Ning, P.;
McNeill, W.J.; Moonan, D.W.; Kendra, M.J.

Author Affiliation: Phillips Lab., Hanscom AFB, MA, USA

Journal: Radio Science Conference Title: Radio Sci. (USA) vol.32, no.5
p.2047-64

Publisher: American Geophys. Union,
Publication Date: Sept.-Oct. 1997 Country of Publication: USA
CODEN: RASCAD ISSN: 0048-6604
SICI: 0048-6604(199709/10)32:5L.2047:ESSS;1-R
Material Identity Number: R087-97005
U.S. Copyright Clearance Center Code: 0048-6604/97/97RS-00836\$11.00
Conference Title: Eighth International Ionospheric Effects Symposium
(IES-96)
Conference Sponsor: Office of Naval Res.; Air Force Res. Lab.; U.S. Army
CECOM (Space & Terrestrial Commun. Directorate); et al
Conference Date: 7-9 May 1996 Conference Location: Alexandria, VA, USA
Language: English Document Type: Conference Paper (PA); Journal Paper
(JP)

Treatment: Experimental (X)

Abstract: The need to nowcast and forecast scintillation for the support of operational systems has been by the National **Space** Weather Program. This issue is addressed in the context of nighttime irregularities in the equatorial ionosphere that cause intense amplitude and phase scintillations of satellite signals in the VHF/UHF range of frequencies and impact satellite communication, Global Positioning **System navigation**, and radar **systems**. Multistation and multifrequency satellite scintillation observations have been used to show that even though equatorial scintillations vary in accordance with the solar cycle, the extreme day-to-day variability of unknown origin modulates the scintillation occurrence during all phases of the solar cycle. It is shown that although equatorial scintillation events often show correlation with magnetic activity, the major component of scintillation is observed during magnetically quiet periods. In view of the day-to-day variability of the occurrence and intensity of scintillating regions, their latitude extent, and their zonal motion, a regional specification and short-term forecast system based on real-time measurements has been developed. This system, named the Scintillation Network Decision Aid, consists of two latitudinally dispersed stations, each of which uses **spaced** antenna scintillation receiving systems to monitor 250-MHz transmissions from two longitudinally separated geostationary satellites. The scintillation **index** and zonal irregularity drift are processed on-line and are retrieved by a remote operator on the Internet. At the operator terminal the data are combined with an empirical plasma bubble model to generate 3D maps of irregularity structures and 2D outage maps for the region. (39 Refs)

Subfile: B

Descriptors: ionospheric electromagnetic wave propagation; VHF radio propagation

Identifiers: equatorial scintillation; systems support; National **Space** Weather Program; nighttime irregularities; equatorial ionosphere; amplitude ; phase scintillations; satellite signals; VHF; UHF; satellite communication; Global Positioning **System navigation** ; radar systems; magnetic activity; magnetically quiet periods; day-to-day variability; zonal motion; forecast system; Scintillation Network Decision Aid; zonal irregularity drift; empirical plasma bubble model; irregularity structures; 250 MHz

Class Codes: B5210C (Radiowave propagation)

Numerical Indexing: frequency 2.5E+08 Hz

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19/5/4 (Item 4 from file: 2)

DIALOG(R) File 2:INSPEC

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5638119 INSPEC Abstract Number: C9709-5540-001

Title: Applications of the Responsive Workbench

Author(s): Wesche, G.; Wind, J.; Gobel, M.; Rosenblum, L.; Durbin, J.; Doyle, R.; Tate, D.; King, R.; Frohlich, B.; Fischer, M.; Agrawala, M.; Beers, A.; Hanrahan, P.; Bryson, S.

Journal: IEEE Computer Graphics and Applications vol.17, no.4 p. 10-15

Publisher: IEEE,

Publication Date: July-Aug. 1997 Country of Publication: USA

CODEN: ICGADZ ISSN: 0272-1716

SICI: 0272-1716(199707/08)17:4L.10:ARW;1-7

Material Identity Number: A822-97004

U.S. Copyright Clearance Center Code: 0272-1716/97/\$10.00

Language: English Document Type: Journal Paper (JP)

Treatment: Applications (A)

Abstract: Many interface devices for virtual reality provide full immersion inside the virtual environment. This is appropriate for numerous applications that emphasize navigating through a virtual space. However, a large class of problems exists for which navigation is not the critical issue. Rather, these applications demand a fine-granularity visualization and interaction with virtual objects and scenes. This applies to a host of other applications typically performed on a desktop, table or workbench. Responsive Workbench technology offers a new way to develop virtual environments for this rather sizable class of applications. The Responsive Workbench operates by projecting a computer-generated, stereoscopic image off a mirror and through a table surface. Using stereoscopic shuttered glasses, users observe a 3D image displayed above the tabletop. By tracking the group leader's head and hand movements, the Responsive Workbench permits changing the view angle and interacting with the 3D scene. Other group members observe the scene as the group leader manipulates it, facilitating communication among observers. Typical methods for interacting with virtual objects on the workbench include speech recognition, gesture recognition and a simulated laser pointer (stylus). This article features Responsive Workbench applications from four institutions that have pioneered this technology. The four applications are: visualization, situational awareness, collaborative production modeling and planning, and a virtual windtunnel. (9 Refs)

Subfile: C

Descriptors: computer aided production planning; data visualisation; groupware; interactive devices; interactive systems; logistics data processing; three-dimensional displays; virtual reality; wind tunnels

Identifiers: Responsive Workbench; interface devices; virtual reality; fine-granularity visualization; fine-granularity interaction; virtual environments; computer-generated stereoscopic image projection; mirror; table surface; stereoscopic shuttered glasses; 3D image; head movement tracking; hand movement tracking; view angle; virtual objects; speech recognition; gesture recognition; simulated laser pointer; stylus; situational awareness; collaborative production modeling; collaborative production planning; virtual wind tunnel; virtual workbench

Class Codes: C5540 (Terminals and graphic displays); C6130B (Graphics techniques); C7000 (Computer applications)

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19/5/5 (Item 5 from file: 2)

DIALOG(R) File 2:INSPEC

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5569388 INSPEC Abstract Number: C9706-7250R-009

Title: Navigation via similarity: automatic linking based on semantic

closeness

Author(s): Tudhope, D.; Taylor, C.
Author Affiliation: Dept. of Comput. Studies, Glamorgan Univ., UK
Journal: Information Processing & Management vol.33, no.2 p.233-42
Publisher: Elsevier,
Publication Date: March 1997 Country of Publication: UK
CODEN: IPMADK ISSN: 0306-4573
SICI: 0306-4573(199703)33:2L.233:NSAL;1-7
Material Identity Number: I276-97002
U.S. Copyright Clearance Center Code: 0306-4573/97/\$17+0.00
Document Number: S0306-4573(96)00067-2
Language: English Document Type: Journal Paper (JP)
Treatment: Practical (P)

Abstract: Notions of similarity underlie a wide variety of access methods in hypermedia and information retrieval. This paper describes a research project in which similarity measures have been extended to include imprecise matching over different dimensions of structured classification schemes. The semantic similarity of information units forms the basis for the automatic construction of **links** and is integrated into hypermedia navigation. A semantic hypermedia architecture is outlined, and a prototype museum social history **application** is described. Illustrative **navigation** scenarios are presented which make use of a navigation via similarity tool. Three different measures of semantic closeness underpin the similarity tool (subject, **space** and time). The temporal measure takes account of periods as well as time points. The most general measure is based on a traversal of a semantic net, taking into account relationship type and level of specialization. It is based on a notion of closeness rather than absolute distance, and returns a set of semantically close terms. A method of calculating the semantic similarity between sets of **index** terms, based on the maximal closeness values achieved by each term is discussed. (27 Refs)

Subfile: C

Descriptors: hypermedia; information retrieval; semantic networks;
vocabulary

Identifiers: hypermedia navigation; semantic similarity measures; automatic **linking**; semantic closeness; access methods; information retrieval; imprecise matching; structured classification schemes; information units; automatic **link** construction; semantic hypermedia architecture; prototype museum social history application; temporal measure; **spatial** measure; semantic net traversal; relationship type; specialization level; **index** terms; subject measure

Class Codes: C7250R (Information retrieval techniques); C6130D (Document processing techniques); C6130M (Multimedia); C6160Z (Other DBMS)

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19/5/6 (Item 6 from file: 2)

DIALOG(R)File 2:INSPEC

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5451878 INSPEC Abstract Number: C9702-7250R-001

Title: Information retrieval through hybrid navigation of lattice representations

Author(s): Carpineto, C.; Romano, G.
Author Affiliation: Fondazione Ugo Bordoni, Rome, Italy
Journal: International Journal of Human-Computer Studies vol.45, no.5
p.553-78
Publisher: Academic Press,
Publication Date: Nov. 1996 Country of Publication: UK
CODEN: IHSTEI ISSN: 1071-5819
SICI: 1071-5819(199611)45:5L.553:IRTH;1-I

Material Identity Number: C261-96011
Language: English Document Type: Journal Paper (JP)
Treatment: Bibliography (B); Practical (P)
Abstract: We present a comprehensive approach to automatic organization and hybrid navigation of text databases. An organizing stage first builds a particular lattice representation of the data, through text indexing followed by lattice clustering of the **indexed** texts. The lattice representation, then supports the **navigation** stage of the **system**, a visual retrieval interface that combines three main retrieval strategies: browsing, querying, and bounding. Browsing and querying are used to search the retrieval **space**, bounding is used to restrict it based on the information that users have, or get during their interaction with the system. We show that such a hybrid paradigm permits high flexibility in trading off information exploration and retrieval and, in addition, has good retrieval performance. We compared information retrieval using lattice based hybrid navigation with conventional Boolean querying. The results of an experiment conducted on two medium sized bibliographic databases showed that the performance of lattice retrieval was comparable to or better than Boolean retrieval. (57 Refs)

Subfile: C
Descriptors: bibliographic systems; human factors; indexing; information retrieval; online front-ends; user interfaces; word processing

Identifiers: information retrieval; hybrid navigation; lattice representations; comprehensive approach; automatic organization; text databases; organizing stage; text indexing; lattice clustering; **indexed** texts; medium sized bibliographic databases; visual retrieval interface; Boolean retrieval; browsing; querying; bounding; hybrid paradigm; information exploration; retrieval performance; lattice based hybrid navigation; conventional Boolean querying

Class Codes: C7250R (Information retrieval techniques); C7250N (Front end systems for online searching); C6180 (User interfaces); C6130D (Document processing techniques); C7240 (Information analysis and indexing); C7250C (Bibliographic retrieval systems)

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19/5/7 (Item 7 from file: 2)
DIALOG(R)File 2:INSPEC
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5401760 INSPEC Abstract Number: C9612-7250-002
Title: WINGNAVI: a navigation **support** system for WWW
Author(s): Takano, H.; Kubo, N.; Shimamura, H.; Matsuura, H.
Journal: NEC Technical Journal vol.49, no.7 p.45-50
Publisher: NEC,
Publication Date: July 1996 Country of Publication: Japan
CODEN: NECGEZ ISSN: 0285-4139
SICI: 0285-4139(199607)49:7L.45:WNSS;1-I
Material Identity Number: H719-96011
Language: Japanese Document Type: Journal Paper (JP)
Treatment: Applications (A); Practical (P)
Abstract: Since the WWW provides easy-operation for retrieving Internet information, it has become the most widely used Internet tool for finding information and publishing corporate/personal information. Therefore, strategies how to find and explore information that the user wants to get from the WWW information **space** has become important. To enhance such capabilities in the WWW, and to employ conventional research results in information retrieval and hypermedia navigation, the WWW needs some more additional functions because it is a distributed **system**. These functions are more **navigation** tools, a database storing node-link structure and

indices , and a way of maintaining the database. According to these considerations, NEC has been developing an experimental **navigation support system** for the WWW, which we call WINGNAVI. This paper describes the problems in the WWW, a configuration of the WINGNAVI, and its components. (5 Refs)

Subfile: C

Descriptors: database management systems; hypermedia; information retrieval; Internet

Identifiers: WINGNAVI; **navigation support system** ; WWW; Internet information retrieval; Internet tool; information retrieval; hypermedia navigation; navigation tools; database storing node- link structure

Class Codes: C7250 (Information storage and retrieval); C6130M (Multimedia); C7210 (Information services and centres); C5620W (Other computer networks)

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19/5/8 (Item 8 from file: 2)

DIALOG(R) File 2:INSPEC

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5331078 INSPEC Abstract Number: C9609-7840-004

Title: **Database concept for integrated navigation information system**

Author(s): Hayashi, Y.; Wakabayashi, N.; Nanri, T.; Wake, H.

Journal: Journal of Japan Institute of Navigation vol.94 p.249-55

Publisher: Japan Inst. Navigation,

Publication Date: March 1996 Country of Publication: Japan

CODEN: NKGRDR ISSN: 0388-7405

SICI: 0388-7405(199603)94L.249:DCIN;1-P

Material Identity Number: D952-96001

Language: Japanese Document Type: Journal Paper (JP)

Treatment: Practical (P)

Abstract: Navigation information is necessary for safe and efficient ship handling. Ship navigators must retrieve manually the necessary navigation information from a vast amount of information. We propose automatic retrieval systems for Japanese nautical charts and sailing directions using an engineering work station (EWS), and develop its prototype. These systems are composed of a general purpose database, a unified retrieval algorithm and a user-friendly interface. The nautical charts retrieval system database is composed of nautical charts' attribute data for 781 sheets of Japanese nautical charts in Japanese waters. When the system operator inputs the main points of departure, arrival and changing points on the general chart in the EWS's graphic display by its mouse **pointer** device, the system retrieves the necessary charts for the input course line. The database for the sailing direction retrieval system is composed of the 'Seto Inland Sea' sailing direction. The mentioned items of the sailing direction are classified in 2,000 areas and items. When the system operator selects the item of operation menus in the graphic display, the system can retrieve and show the necessary information of the sailing direction in the graphic display. When the operators use these systems, they can reduce the operation time compared with manual operation. (3 Refs)

Subfile: C

Descriptors: computerised navigation; **geographic information systems**; graphical user interfaces; information retrieval systems; ships; visual databases

Identifiers: **integrated navigation information system** ; database; ship handling; automatic retrieval systems; Japanese nautical charts; sailing directions; general purpose database; unified retrieval algorithm; user-friendly interface; nautical charts retrieval system database; attribute data; Seto Inland Sea; graphic display

Class Codes: C7840 (Geography and cartography computing); C6160S (Spatial and pictorial databases); C6180G (Graphical user interfaces); C7250L (Non-bibliographic retrieval systems); C7490 (Computing in other engineering fields)

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19/5/9 (Item 9 from file: 2)

DIALOG(R) File 2:INSPEC

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5291923 INSPEC Abstract Number: C9607-7240-016

Title: Model-driven indexing: indexing by ignoring content

Author(s): Swaminathan, K.

Author Affiliation: Center for Strategic Technol. Res., Andersen Consulting, Chicago, IL, USA

Conference Title: AI Applications in Knowledge Navigation and Retrieval. Papers from the 1995 AAAI Fall Symposium (Tech. Report FS-95-03) p.153

Publisher: AAAI Press, Menlo Park, CA, USA

Publication Date: 1995 Country of Publication: USA viii+155 pp.

ISBN: 0 929280 95 4 Material Identity Number: XX96-01553

Conference Title: AI Applications in Knowledge Navigation and Retrieval. Papers from 1995 AAAI Fall Symposium. (Tech. Report FS-95-03)

Conference Date: 10-12 Nov. 1995 Conference Location: Cambridge, MA, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: Indexing can be viewed as the process of **segmenting** a large amount of information with the **indices** acting as descriptors for the subspaces. In the case of information retrieval systems, the **indices** are used to retrieve documents based on a user query, whereas in the case of knowledge **navigation systems**, the **indices** circumscribe browsable **spaces** of documents. I take the position that traditional approaches to indexing are data driven; an alternate model-driven approach to indexing has considerable promise, particularly within an enterprise setting. Model-driven indexing derives **indices** based on user's mental models and task models. (0 Refs)

Subfile: C

Descriptors: indexing; information retrieval; information retrieval systems; task analysis; user modelling

Identifiers: model-driven indexing; information **segmentation** ; **indices** ; descriptors; subspaces; information retrieval systems; document retrieval ; user query; knowledge **navigation systems** ; browsable **spaces** ; data driven indexing; enterprise; mental models; user models; task models

Class Codes: C7240 (Information analysis and indexing); C7250R (Information retrieval techniques); C6170K (Knowledge engineering techniques); C6180 (User interfaces)

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19/5/10 (Item 10 from file: 2)

DIALOG(R) File 2:INSPEC

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5291893 INSPEC Abstract Number: C9607-7250L-006

Title: A system for conceptual structuring and hybrid navigation of text databases

Author(s): Carpineto, C.; Romano, G.

Author Affiliation: Fondazione Ugo Bordoni, Rome, Italy

Conference Title: AI Applications in Knowledge Navigation and Retrieval.

Papers from the 1995 AAAI Fall Symposium (Tech. Report FS-95-03) p.20-5

Publisher: AAAI Press, Menlo Park, CA, USA

Publication Date: 1995 Country of Publication: USA viii+155 pp.

ISBN: 0 929280 95 4 Material Identity Number: XX96-01553

Conference Title: AI Applications in Knowledge Navigation and Retrieval.

Papers from 1995 AAAI Fall Symposium. (Tech. Report FS-95-03)

Conference Date: 10-12 Nov. 1995 Conference Location: Cambridge, MA, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: Presents a three-stage system for information exploration and retrieval. Given a collection of texts, the first stage extracts a set of **index** terms describing each text. The second stage, named GALOIS, exploits the **indices** determined in the earlier stage to build a particular lattice of clustered texts. The resulting structure supports the third stage, a visual retrieval interface named ULYSSES, which provides multiple and integrated retrieval strategies; the user may browse or query the clustered search **space**, or, in addition, he may restrict it by specifying constraints that the desired texts have to satisfy. The system, as a whole, has two main advantages. The first is that it is fully automatic and works in unrestricted environments. The second is that it combines browsing capabilities with good retrieval performance. In fact, the experiments conducted so far suggest that it can be seen as an alternative to more conventional systems even for retrieval tasks such as subject searching and for databases of reasonable size. (17 Refs)

Subfile: C

Descriptors: full-text databases; graphical user interfaces; indexing; vocabulary

Identifiers: conceptual structuring; hybrid navigation; text databases; information exploration; information retrieval; text collection; **index** terms extraction; GALOIS; clustered text lattice; visual retrieval interface; ULYSSES; browsing; querying; clustered search **space**; constraints specification; unrestricted environments; retrieval performance ; subject searching

Class Codes: C7250L (Non-bibliographic retrieval systems); C7240 (Information analysis and indexing)

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19/5/11 (Item 11 from file: 2)

DIALOG(R)File 2:INSPEC

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5291704 INSPEC Abstract Number: C9607-7250-011

Title: Browsing the WWW by interacting with a textual virtual environment-a framework for experimenting with navigational metaphors

Author(s): Dieberger, A.

Author Affiliation: Sch. of Literature, Commun., & Culture, Georgia Inst. of Technol., Atlanta, GA, USA

Conference Title: Seventh ACM Conference on Hypertext. Hypertext '96
p.170-9

Publisher: ACM, New York, NY, USA

Publication Date: 1996 Country of Publication: USA xiii+264 pp.

ISBN: 0 89791 778 2 Material Identity Number: XX96-00938

U.S. Copyright Clearance Center Code: 0 89791 778 2/96/03.\$3.50

Conference Title: Proceedings of Hypertext '96

Conference Sponsor: ACM

Conference Date: 16-20 March 1996 Conference Location: Washington, DC, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: The paper describes a system that combines a textual virtual environment (MOO-MUD Object Oriented) and a WWW browser. The MOO provides a text-only but information-rich **spatial** user interface in which objects and locations can be associated with **pointers** to WWW pages. When using a specialized MOO client, navigation in the MOO causes the corresponding Web pages to be loaded. The overall effect is the possibility to navigate the Web using **spatial** navigational metaphors. Textual virtual environments support the creation of diverse **navigation** tools and metaphors. The Juggler **system** we describe can thus serve as an experimental tool to explore diverse **navigational**¹⁰ metaphors for the WWW. The **system** uses references to Web pages which can be arranged in any possible way and allows users to overlay a new secondary structure on existing Web structures, even using Web pages not on one's own Web server. Textual virtual environments further support almost real time communication and interaction between several users. Because of the extensive interaction possibilities, the Juggler system can be used to discuss material on the Web, conduct guided tours through the Web or give presentations using material available on the Web. (23 Refs)

Subfile: C

Descriptors: hypermedia; information networks; information retrieval; object-oriented methods; object-oriented programming

Identifiers: textual virtual environment; WWW browser; MUD Object Oriented; MOO; text-only information-rich **spatial** user interface; WWW page **pointers**; specialized MOO client; navigational metaphors; navigation tools; Juggler system; real time communication; user interaction; guided tours

Class Codes: C7250 (Information storage and retrieval); C6130M (Multimedia); C6130D (Document processing techniques); C6110J (Object-oriented programming); C7210 (Information services and centres)

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19/5/12 (Item 12 from file: 2)
DIALOG(R)File 2:INSPEC
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5280733 INSPEC Abstract Number: C9607-7130-012

Title: A prototype spatial -temporal reasoning system for emergency management

Author(s): Khalifa, Y.; Chang, S.K.; Comfort, L.

Author Affiliation: Dept. of Comput. Sci., Pittsburgh Univ., PA, USA

Conference Title: Proceedings of The First International Conference on Visual Information Systems p.469-78

Publisher: Victoria Univ. Technol, Melbourne, Vic., Australia

Publication Date: 1996 Country of Publication: Australia viii+585 pp.

Material Identity Number: XX96-00277

Conference Title: Proceedings of VISUAL '96

Conference Date: 5-6 Feb. 1996 Conference Location: Melbourne, Vic., Australia

Language: English Document Type: Conference Paper (PA)

Treatment: Applications (A); Practical (P)

Abstract: We introduce an approach for solving hazardous problems using expert systems with temporal and **spatial** reasoning, including a blackboard **system** and active indexing techniques. **Spatial** **navigation** is effectively mapped to the blackboard expert systems, taking advantage of the dynamic nature of the active **index**. From the system description we introduce problem-solving and knowledge representation prototypes for water problems as consequences of hazardous spills in emergency management. A scenario demonstration of the Pittsburgh oil spill is described as well. (6 Refs)

Subfile: C
Descriptors: blackboard architecture; environmental science computing; expert systems; problem solving; **spatial reasoning**; temporal reasoning; water pollution; water supply
Identifiers: **spatial** temporal reasoning system; prototype; emergency management; hazardous problem solving; expert systems; blackboard system; active indexing; **spatial** navigation; system description; knowledge representation; hazardous spills; Pittsburgh oil spill
Class Codes: C7130 (Public administration); C6170 (Expert systems); C7330 (Biology and medical computing); C7165 (Public utility administration)
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19/5/13 (Item 13 from file: 2)
DIALOG(R)File 2:INSPEC
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5106617 INSPEC Abstract Number: C9512-7445-052
Title: **Ergonomic evaluation of a prototype guidance system in an urban area . Discussion about methodologies and data collection tools**
Author(s): Pauzie, A.; Sarpedon, A.; Saulnier, G.
Author Affiliation: INRETS-LESCO, Bron, France
Conference Title: Pacific Rim TransTech Conference. 1995 Vehicle Navigation and Information Systems Conference Proceedings. 6th International VNIS. A Ride into the Future (Cat. No.95CH35776) p.390-6
Publisher: IEEE, New York, NY, USA
Publication Date: 1995 Country of Publication: USA xv+540 pp.
ISBN: 0 7803 2587 7
U.S. Copyright Clearance Center Code: 0 7803 2587 7/95/\$4.00
Conference Title: Pacific Rim TransTech Conference. 1995 Vehicle Navigation and Information Systems Conference Proceedings. 6th International VNIS. A Ride into the Future
Conference Date: 30 July-2 Aug. 1995 Conference Location: Seattle, WA, USA
Language: English Document Type: Conference Paper (PA)
Treatment: Practical (P)
Abstract: The authors discuss two available methodologies used for ergonomic evaluation of in-vehicle systems. One method corresponds to the objective measurement of the driver's behavior, and more precisely the visual strategies, and the other one belongs to the subjective evaluation category and is used for rating the mental workload of a task. For this second approach, the authors propose a new version of the TLX adapted to the driving task and called the DALI-Driving Activity Load **Index**. Both objective and subjective approaches are illustrated with results extracted from the ergonomic evaluation of the guidance/ **navigation system** CARMINAT tested in the Lyon urban area. (16 Refs)
Subfile: C
Descriptors: driver information systems; ergonomics; navigation
Identifiers: ergonomic evaluation; in-vehicle systems; data collection tools; subjective evaluation; mental workload rating; TLX; DALI; Driving Activity Load **Index**; CARMINAT; Lyon urban area; **navigation system**
Class Codes: C7445 (Traffic engineering computing); C0200 (General computer topics)
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19/5/14 (Item 14 from file: 2)
DIALOG(R)File 2:INSPEC
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5044895 INSPEC Abstract Number: A9519-9385-187, C9510-7840-054

Title: Characterization of sediments in the Clinch River, Tennessee, using remote sensing and multi-dimensional GIS techniques

Author(s): Levine, D.A.; Hargrove, W.W.; Hoffman, F.

Author Affiliation: Environ. Sci. Div., Oak Ridge Nat. Lab., TN, USA

Conference Title: Ninth Annual Symposium on Geographic Information Systems in Natural Resources Management. Symposium Proceedings Part vol.2 p.548-51 vol.2

Publisher: GIS World, Fort Collins, CO, USA

Publication Date: 1995 Country of Publication: USA 2 vol.1015 pp.

Conference Title: Proceedings Ninth Annual Symposium on Geographic Information Systems

Conference Date: 27-30 March 1995 Conference Location: Vancouver, BC, Canada

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P); Experimental (X)

Abstract: Remotely sensed hydro acoustic data were used as input to spatial extrapolation tools in a GIS to develop 2D and 3D models of sediment densities in the Clinch River arm of Watts Bar Reservoir, Tennessee. This reservoir has been accumulating sediment bound contaminants from three Department of Energy (DOE) facilities on the Oak Ridge Reservation, Tennessee (Hargrove et. al., see ibid., p. 553). DOE initiated and is funding the Clinch River Environmental Restoration Program (CR-ERP) to perform a remedial investigation to determine the nature and extent of sediment contamination in the Watts Bar Reservoir and the Clinch River and to quantify any human or ecological health risks. A dual frequency hydro acoustic survey was performed to determine: depth to the sediment water interface, depth of the sediment layer, and sediment characteristics density with depth (approximately 0.5 foot intervals). An array of geophysical instruments was used to meet the objectives of this investigation, including: 3.5 kHz high resolution "pinger" system, high definition broad spectrum acoustic profiling "chirp" system, and dual frequency side scan sonar system. A real time differential Global Positioning System was used to navigate along predetermined survey lines and to obtain precise locations of data points. On board display of sediment density data in real time was instrumental for CR ERP personnel to delineate further sampling areas. (1 Refs)

Subfile: A C

Descriptors: geographic information systems; geophysical equipment; geophysical techniques; Global Positioning System; lakes; sediments; sonar; water pollution; water pollution measurement

Identifiers: Clinch River; remote sensing; multi-dimensional GIS techniques; remotely sensed hydro acoustic data; spatial extrapolation tools; sediment densities; Watts Bar Reservoir; Tennessee; ecological health; Clinch River Environmental Restoration Program; sediment contamination; ecological health risks; dual frequency hydro acoustic survey; geophysical instruments; high resolution pinger system; high definition broad spectrum acoustic profiling chirp system; dual frequency side scan sonar system; real time differential Global Positioning System; United States USA; lake sediment water pollution; sonar observations; reservoir measurement technique

Class Codes: A9385 (Instrumentation and techniques for geophysical, hydrospheric and lower atmosphere research); A9240N (Lakes); A8670E (Water (environmental science)); A8670L (Measurement techniques and instrumentation in environmental science); C7840 (Geography and cartography computing); C6160S (Spatial and pictorial databases); C7340 (Geophysics computing)

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19/5/15 (Item 15 from file: 2)

DIALOG(R) File 2:INSPEC

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5004342 INSPEC Abstract Number: C9509-6110J-006

Title: **A concurrent programming environment for memory-mapped persistent object systems**

Author(s): Fu, M.-M.; Dasgupta, P.

Author Affiliation: Dept. of Comput. Sci. & Eng., Arizona State Univ., Tempe, AZ, USA

Conference Title: Proceedings. The Seventeenth Annual International Computer Software and Applications Conference (Cat. No.93CH3349-8) p. 291-7

Publisher: IEEE Comput. Soc. Press, Los Alamitos, CA, USA

Publication Date: 1993 Country of Publication: USA xv+422 pp.

ISBN: 0 8186 4440 0

U.S. Copyright Clearance Center Code: 0730-3157/93/\$3.00

Conference Title: Proceedings of 1993 IEEE 17th International Computer Software and Applications Conference COMPSAC '93

Conference Sponsor: IEEE

Conference Date: 1-5 Nov. 1993 Conference Location: Phoenix, AZ, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: The advantages of object-oriented programming systems are well known. However, in general, they do not support long-lived objects, nor do they allow concurrent sharing or dynamic re-use of language defined objects. Persistent object systems address some of these shortfalls. In this paper we present a design and implementation of a persistent object system that uses memory-mapping to directly map objects from the persistent store into the address **space** of user programs. Memory mapping makes the management and manipulation of persistent objects simpler. In particular, complex object structures can be executed (shared) concurrently on behalf of separate applications. A simple language extension has been designed and added to C++ to make the programming of persistence, sharing, synchronization and consistency control expressible. With efficient run-time support for persistent **pointer** resolution and consistency maintenance, this approach can provide much finer-grain execution concurrency and sharing, easier object **navigation**, simpler **programability** and possibly better performance, than object-oriented database systems. (27 Refs)

Subfile: C

Descriptors: C language; file organisation; object-oriented languages; object-oriented programming; parallel programming; programming environments; software performance evaluation; software reusability; systems analysis

Identifiers: concurrent programming environment; memory-mapped persistent object systems; dynamic re-use; design; persistent store; address **space**; user programs; complex object structures; language extension; C++; sharing; synchronization; consistency control; run-time support; persistent **pointer** resolution; consistency maintenance; object navigation; programability; performance

Class Codes: C6110J (Object-oriented programming); C6110P (Parallel programming); C6120 (File organisation); C6115 (Programming support); C6110B (Software engineering techniques)

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19/5/16 (Item 16 from file: 2)

DIALOG(R) File 2:INSPEC

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4978866 INSPEC Abstract Number: C9508-7445-007
Title: Single line street network: The foundation of Mobile GIS
Author(s): Lee, N.S.T.
Author Affiliation: Corp. of City of Scarborough, Ont., Canada
p.34-7
Publisher: IEEE, New York, NY, USA
Publication Date: 1993 **Country of Publication:** USA viii+832 pp.
ISBN: 0 7803 1235 X
U.S. Copyright Clearance Center Code: 0 7803 1235 X/93/\$3.00
Conference Title: Proceedings of VNIS '93 - Vehicle Navigation and Information Systems Conference
Conference Date: 12-15 Oct. 1993 **Conference Location:** Ottawa, Ont., Canada
Language: English **Document Type:** Conference Paper (PA)
Treatment: Practical (P)
Abstract: The single line street network (SLSN) is a model, or abstraction, of the derivable surface and selected linear features in a city or a region. The major roles of the SLSN in Mobile Geographic Information Systems (GIS) are: 1) to provide the underlying framework of positioning and navigating vehicles; 2) to provide location reference to road related information; 3) to act as a visual index for display and query; and 4) to link to attribute information. The SLSN is an intelligent, topologically structured database. The construction of the SLSN in the City of Scarborough, its data model, data loading and maintenance issues, and how the SLSN can relate attributes to spatial objects for vehicle navigation and information systems (VNIS) are described. A municipal government's contribution to VNIS and its view on partnership with private sector and external agencies in building a Mobile GIS are examined. (6 Refs)
Subfile: C
Descriptors: driver information systems; geographic information systems; traffic engineering computing
Identifiers: Mobile GIS; single line street network; SLSN; city; Mobile Geographic Information Systems; navigating; location reference; visual index; City of Scarborough; data model; data loading; spatial objects; vehicle navigation
Class Codes: C7445 (Traffic engineering computing); C7840 (Geography and cartography computing)
Copyright: 1995, IEE

19/5/17 (Item 17 from file: 2)
DIALOG(R)File 2:INSPEC
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4859933 INSPEC Abstract Number: C9503-7840-001
Title: Terrain visibility
Author(s): Nagy, G.
Author Affiliation: Rensselaer Polytech. Inst., Troy, NY, USA
Journal: Computers & Graphics vol.18, no.6 p.763-73
Publication Date: Nov.-Dec. 1994 **Country of Publication:** UK
CODEN: COGRD2 **ISSN:** 0097-8493
U.S. Copyright Clearance Center Code: 0097-8493/94/\$6.00+.00
Language: English **Document Type:** Journal Paper (JP)
Treatment: Practical (P)
Abstract: Visibility indices, matrices, graphs, and maps are defined for digital elevation terrain models and their properties are established. Several potential applications of geometric terrain visibility in geographic information systems are presented. Direct applications include the location of observation points and hiding places, the

determination of line-of-sight relay networks for microwave communications, scenic and hidden surface paths, and aids to **navigation**. Indirect **applications** allow inferences about physiographic terrain features: the mutual visibility among surface points yields considerable information about the landscape. The preservation of the visibility model also provides a check on data reduction (compression) in digital elevation models. Algorithms for computing terrain visibility on both triangulated irregular networks and rectangular grids are reviewed and experimental results from several sources are reported. It is shown that terrain visibility is invariant under certain projective transformations, and therefore relative elevations can be reconstructed from visibility maps. (94 Refs)

Subfile: C

Descriptors: cartography; data visualisation; **geographic information systems**; visual databases

Identifiers: terrain visibility; visibility indices; digital elevation terrain models; geometric terrain visibility; **geographic information systems**; observation points; hiding places; line-of-sight relay networks; microwave communications; hidden surface paths; physiographic terrain features; mutual visibility; landscape; data reduction; triangulated irregular networks; rectangular grids; projective transformations; visibility maps

Class Codes: C7840 (Geography and cartography computing); C6130B (Graphics techniques); C6160S (Spatial and pictorial databases); C7340 (Geophysics computing)

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19/5/18 (Item 18 from file: 2)

DIALOG(R)File 2:INSPEC

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4731173 INSPEC Abstract Number: B9409-6250G-017, C9409-7410F-042

Title: **Radionavigation system power level optimization for reduced operating cost**

Author(s): Morris, P.B.; Hansen, A.J.; Warren, R.S.

Author Affiliation: TASC, Reading, MA, USA

p.59-68

Publisher: IEEE, New York, NY, USA

Publication Date: 1994 Country of Publication: USA 852 pp.

ISBN: 0 7803 1435 2

U.S. Copyright Clearance Center Code: 0 7803 1435 2/94/\$3.00

Conference Title: Proceedings of 1994 IEEE Position, Location and Navigation Symposium - PLANS'94

Conference Sponsor: IEEE Aerosp. & Electron. Syst. Soc

Conference Date: 11-15 April 1994 Conference Location: Las Vegas, NV, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: Radionavigation system coverage, or viability, typically depends on the effective radiated power maintained by the system transmitting stations. A desired level of system availability can be maintained by reducing station radiated power below the maximum levels. An efficient algorithm referred to as SPLAA (station power level assignment algorithm) has been developed for determining the power levels of the Omega **navigation system** stations which minimizes **system** operating cost while maintaining a desired system availability **index**. For Omega, the relationship between system availability and station power levels is quite complex, depending on time/ **space** -varying signal coverage, station reliability, receiver reliability, and geographic usage patterns. Because of this complex relationship, a workstation known as PACE (performance

assessment and coverage evaluation) is used by the Coast Guard's Omega **Navigation System** Center to predict and display system availability. A straightforward calculation of system availability for all possible power levels (at each of the eight transmitting stations) using PACE would require several thousand years of execution time on a PC. By comparison, SPLAA computes the optimal mix of station power levels for a given hour/month scenario in about 10 minutes on an i486/33 PC. To attain this speed with the required accuracy, SPLAA enlists a combination of analytical, rule-based, and efficient exploratory schemes. The paper traces the evolution of SPLAA and briefly describes the algorithm structure. Sample results are presented for representative operational scenarios. (5 Refs)

Subfile: B C

Descriptors: optimisation; radio transmitters; radionavigation; satellite relay systems; telecommunications computing

Identifiers: radionavigation system power level optimization; operating cost; viability; effective radiated power; system transmitting stations; system availability; SPLAA; station power level assignment algorithm; Omega **navigation system** stations; system operating cost; station reliability; receiver reliability; geographic usage patterns; workstation; PACE; performance assessment and coverage evaluation; algorithm structure

Class Codes: B6250G (Satellite relay systems); B6330 (Radionavigation and direction finding); C7410F (Communications)

19/5/19 (Item 19 from file: 2)

DIALOG(R)File 2:INSPEC

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4653727 INSPEC Abstract Number: A9411-9365-004, B9406-6250G-003, C9406-7840-008

Title: Integrated GPS and related technologies for rapid data acquisition

Author(s): Rongxing Li; Schwarz, K.-P.; Chapman, M.A.; Gravel, M.

Author Affiliation: Dept. of Geomatics Eng., Calgary Univ., Alta., Canada

Journal: GIS World vol.7, no.4 p.41-3

Publication Date: April 1994 Country of Publication: USA

CODEN: GIWOE8 ISSN: 0897-5507

Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P)

Abstract: To acquire large-scale GIS data rapidly and to overcome the difficulties of conventional photogrammetry and survey methods, a prototype system, VISAT (video, inertial and satellite), was developed by researchers at the University of Calgary that integrates global positioning **system** (GPS), inertial **navigation system** (INS) and charge coupled device (CCD) imaging technologies. Data acquisition is performed using a survey van on which the three components are installed. Subsequently, photogrammetric and GIS processing of the images are carried out on a workstation. The complete system provides a new method for rapid field data acquisition, thematic data extraction, GIS database generation and data archiving. VISAT is designed to provide a positioning accuracy of 30 centimeters (absolute) and 10 centimeters (relative) for objects within 50 meters of the cameras that appear in the images. Vehicle speeds of 50-70 kilometers/hour are typical. That accuracy **meets** the requirements of many GIS databases, especially highway **spatial** information databases. (4 Refs)

Subfile: A B C

Descriptors: charge-coupled devices; data acquisition; **geographic information** systems; image processing; inertial navigation; photogrammetry; satellite relay systems; visual databases

Identifiers: integrated GPS; rapid data acquisition; large-scale GIS data

; VISAT; video/inertial/satellite; global positioning system; inertial navigation system; charge coupled device; imaging technologies; survey van; photogrammetric processing; workstation; thematic data extraction; GIS database generation; data archiving; positioning accuracy; vehicle speeds; highway spatial information databases; GPS; INS; CCD; 10 to 30 cm; 50 to 70 km/h

Class Codes: A9365 (Data acquisition, processing and storage); A9110L (Photogrammetry); B6250G (Satellite relay systems); C7840 (Geography and cartography); C6160S (Spatial and pictorial databases); C5260B (Computer vision and picture processing); C5520 (Data acquisition equipment and techniques); C6130 (Data handling techniques); C7410H (Instrumentation); C7340 (Geophysics)

Numerical Indexing: distance 1.0E-01 to 3.0E-01 m; velocity 1.4E+01 to 1.9E+01 m/s

19/5/20 (Item 20 from file: 2)

DIALOG(R) File 2:INSPEC

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04344863 INSPEC Abstract Number: A9306-9190-001

Title: Variability of geophysical parameters from aircraft radiance measurements for FIFE

Author(s): Jedlovec, G.J.; Atkinson, R.J.

Author Affiliation: Remote Sensing Branch, NASA Marshall Space Flight Center, Huntsville, AL, USA

Journal: Journal of Geophysical Research vol.97, no.D17 p.18913-24

Publication Date: 30 Nov. 1992 Country of Publication: USA

CODEN: JGREA2 ISSN: 0148-0227

U.S. Copyright Clearance Center Code: 0148-0227/92/92JD-01302\$05.00

Language: English Document Type: Journal Paper (JP)

Treatment: Experimental (X)

Abstract: Airborne multispectral images were collected on 2 days during the First ISLSCP Field Experiment (FIFE) to investigate the time and space variability of remotely sensed geophysical parameters over the study region. The data sets consisted of multiple overflights covering about a 60-min period during late morning on June 4, 1987, and shortly after dark on the following day. Image data from each overpass were calibrated and Earth-located with respect to each other using aircraft inertial navigation system parameters and ground control points. Normalized difference vegetation index (NDVI) values were generated from visible and near-infrared imagery to characterize the greenness of the vegetation, its spatial variability, and its variation with changing sensor-Sun-viewing geometries. Land surface temperatures (LST) were derived using a split-window formulation to investigate their spatial and temporal variability in relation to the NDVI values and other surface features and the variability between day and night observations. (22 Refs)

Subfile: A

Descriptors: albedo; atmospheric boundary layer; atmospheric optics; atmospheric spectra

Identifiers: Kansas; prairie; grassland; land surface; USA; United States; spatial variation; temporal variation; AD 1987; atmosphere; colour; spectra; albedo; boundary layer; IR; FIFE; multispectral images; ISLSCP; visible; near-infrared; greenness; vegetation; 350 to 2500 nm

Class Codes: A9190 (Other topics in solid Earth physics); A9260V (Electromagnetic wave propagation and interactions); A9330H (North America); A9265 (Atmospheric optics); A9265H (Spectral energy distribution, spectral absorption); A9260F (Boundary layer structure and processes)

Numerical Indexing: wavelength 3.5E-07 to 2.5E-06 m

19/5/21 (Item 21 from file: 2)

DIALOG(R)File 2:INSPEC

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04291031 INSPEC Abstract Number: B9301-8520B-004, C9301-7890-009

Title: Highway environment information system interests and features survey

Author(s): Tsai, J.
Author Affiliation: Minist. of Transp. of Ontario, Downsview, Ont., Canada

Conference Title: VNIS '91. Vehicle Navigation and Information Systems Conference Proceedings P-253 (IEEE Cat. No.91CH3091-6) p.113-22 vol.1

Publisher: Soc. Automotive Eng, Warrendale, PA, USA
Publication Date: 1991 Country of Publication: USA 2 vol. 1151 pp.
ISBN: 0 7803 0488 8
Conference Sponsor: IEEE; Soc. Automotive Eng
Conference Date: 20-23 Oct. 1991 Conference Location: Dearborn, MI, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: The Wide Area Vehicle Monitoring (WAVM) Project is an **application** of satellite communications and **navigation** technologies. The **system** can provide truck **location** and identification **information**, and two-way message communications service between the equipped trucks and the trucking company base station. A description is presented of the project background, the trucking industry and inter-city bus industry interests in highway information services, the trucking industry needs for a highway information service, the type, frequency, and coverage of highway information required, the results of an industry focus **group** discussion, the marketability of highway information to the trucking industry, and the study conclusion. (2 Refs)

Subfile: B C
Descriptors: automotive electronics; computerised monitoring; information systems; radionavigation; road vehicles; satellite **links**; telecommunication services

Identifiers: highway environment information system; Wide Area Vehicle Monitoring Project; industry interests; information coverage; survey; satellite communications; navigation technologies; truck location; identification information; two-way message communications service; trucking company base station; inter-city bus; marketability

Class Codes: B8520B (Automobile electronics); B6330 (Radionavigation and direction finding); B6250G (Satellite relay systems); C7890 (Other special applications)

19/5/22 (Item 22 from file: 2)

DIALOG(R)File 2:INSPEC

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03786736 INSPEC Abstract Number: B91007277, C91002095

Title: Map matching navigation system
Author(s): Kobayashi, Y.; Hirano, K.; Tanaka, J.; Kawamura, S.; Nobuta, H.

Author Affiliation: Sumitomo Electr. Ind. Ltd., Osaka, Japan
Journal: Sumitomo Electric Technical Review no.30 p.34-8
Publication Date: June 1990 Country of Publication: Japan
CODEN: SETRAY ISSN: 0376-1207
Language: English Document Type: Journal Paper (JP)
Treatment: Practical (P)

Abstract: Describes a **navigation system** for private automobiles. This **system** shows the accurate position of the vehicle on a CRT map display and also displays useful **information** such as the **locations** of hotels, golf clubs, etc. A sophisticated map matching method is employed to find the vehicle's position. In this method, a set of correlation coefficients between the locus and the mapped roads is used to determine the vehicle's location statistically. A unique automatic calibration function is also added to the magnetic field sensor to compensate for malfunctioning and detection errors caused by distortion due to the Earth's magnetism and to magnetization of the vehicle at points of high field density such as railroad crossings. In this system, we can see the current position of the vehicle indicated by a **pointer** on the smooth scrolling map display. This digital map has scales of 1/25000, 1/100000 and 1/400000 and covers all of Japan with two available display modes: 'north up' and 'heading up'. This system also shows the direction and distance to whatever destination the user has chosen. This **navigation system** has been installed in Nissan's 1989 Cedric/Gloria and Cima models. (2 Refs)

Subfile: B C

Descriptors: automotive electronics; cathode-ray tube displays; computerised navigation; magnetic field measurement; position control

Identifiers: map matching **navigation system**; vehicle position; hotel location; golf club location; statistical determination; Nissan Cedric model; Nissan Gloria model; private automobiles; CRT map display; correlation coefficients; automatic calibration function; magnetic field sensor; smooth scrolling map display; digital map; north up; heading up; Cima models

Class Codes: B8520B (Automobile electronics); B7260 (Display technology and systems); B6330 (Radionavigation and direction finding); B7310L (Magnetic variables); C3360B (Road-traffic systems); C7410F (Communications); C7420 (Control engineering); C3120C (Spatial variables)

19/5/23 (Item 23 from file: 2)

DIALOG(R)File 2:INSPEC

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03730892 INSPEC Abstract Number: C90062455

Title: Road information **systems**; impact of geographic information systems technology to automatic vehicle navigation and guidance

Author(s): Lee, N.S.T.; Karimi, H.A.; Krakiwsky, E.J.

Author Affiliation: Dept. of Surveying Eng., Calgary Univ., Alta., Canada
Conference Title: Conference Record of Papers Presented at the First Vehicle Navigation & Information Systems Conference (VNIS '89) (Cat. No.89CH2789-6) p.347-52

Publisher: IEEE, New York, NY, USA

Publication Date: 1989 **Country of Publication:** USA 564 pp.

ISBN: 0 9692316 2 8

U.S. Copyright Clearance Center Code: CH2789-6/89/0000-0347\$01.00

Conference Sponsor: IEEE; Ministry of Transportation, Ontario; Transport Canada

Conference Date: 11-13 Sept. 1989 **Conference Location:** Toronto, Ont., Canada

Language: English **Document Type:** Conference Paper (PA)

Treatment: Applications (A); Practical (P)

Abstract: A prototype road information system being developed at the University is a special-purpose **geographic information** system that collects, organizes, and disseminates information related to the street and highway networks of a city or region. The basic structure is the road and street network made up of a series of nodes and **links**, by which attributes from different applications can be referenced. The structure, if

properly designed, can serve many applications such as route determination and guidance, commercial and service information provision, dispatching and monitoring of fleet vehicles, and road inventory and traffic management. The current research effort of the prototype concentrates on data modeling, **spatial** database management, communications, and real-time applications for the many automatic vehicle location, **navigation**, and guidance **systems** presently being developed. (14 Refs)

Subfile: C

Descriptors: automatic guided vehicles; computerised navigation; database management systems; **geographic information** systems; information dissemination; road vehicles

Identifiers: automatic vehicle navigation and guidance; road information system; **geographic information** system; street and highway networks; nodes; **links**; structure; prototype; **spatial** database management; communications; real-time applications

Class Codes: C3360B (Road-traffic systems); C6160Z (Other DBMS); C7890 (Other special applications)

19/5/24 (Item 24 from file: 2)

DIALOG(R)File 2:INSPEC

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03683203 INSPEC Abstract Number: C90053337

Title: Information retrieval using a hypertext-based help system

Author(s): Campagnoni, F.R.; Ehrlich, K.

Journal: ACM Transactions on Information Systems vol.7, no.3 p. 271-91

Publication Date: July 1989 Country of Publication: USA

ISSN: 0734-2047

U.S. Copyright Clearance Center Code: 0734-2047/89/0700-0271\$01.50

Language: English Document Type: Journal Paper (JP)

Treatment: Practical (P)

Abstract: Hypertext offers users a simple, flexible way to **navigate** through electronic information **systems** but at the potential risk of becoming lost in the network of interconnected pieces of information. A study was conducted on information retrieval using a commercial hypertext-based help system. It was found that the predominant search strategy was browsing (characterized by scanning tables of contents and paging through topics), rather than employing the **indexes** ('analytical search'). Although subjects did not get lost, individuals with better **spatial** visualization skills, as measured by a standardized test, were faster at retrieving information and returned to the top of the information hierarchy less often than those with poorer **spatial** visualization skills. These results support previous studies that have found a strong preference by users for browsing in hypertext systems and extend those findings to a new domain (help), a different type of user interface, and a different information architecture. In addition, the results demonstrate the importance of **spatial** visualization ability for efficient navigation and information retrieval in a hierarchical hypertext system. (16 Refs)

Subfile: C

Descriptors: hypermedia; information retrieval; user interfaces

Identifiers: hypertext-based help system; electronic information systems; information retrieval; search strategy; browsing; **indexes**; **spatial** visualization skills; user interface; information architecture

Class Codes: C7250N (Front end systems for online searching); C6180 (User interfaces)

19/5/25 (Item 25 from file: 2)

DIALOG(R)File 2:INSPEC

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03548605 INSPEC Abstract Number: B90011993, C90017304

Title: An intelligent system for autonomous navigation of airborne vehicles

Author(s): Cameron, W.L.; Fain, H.; Bezdek, J.C.

Author Affiliation: Boeing Aerosp., Seattle, WA, USA

Journal: Proceedings of the SPIE - The International Society for Optical Engineering vol.1003 p.451-69

Publication Date: 1989 Country of Publication: USA

CODEN: PSISDG ISSN: 0277-786X

Conference Title: Sensor Fusion: Spatial Reasoning and Scene Interpretation

Conference Sponsor: SPIE

Conference Date: 7-9 Nov. 1988 Conference Location: Cambridge, MA, USA

Language: English Document Type: Conference Paper (PA); Journal Paper (JP)

Treatment: Practical (P)

Abstract: Autonomous navigation of airborne platforms requires the integration of diverse sources of sensor data and contextual information. The authors describe a system that utilizes polarimetric radar **cross**-section and range data to generate position estimates based on four kinds of information : **area segmentation**, ground contours, landmarks and road networks. Ground truth in the form of terrain feature maps is correlated with each type of data stream. An arbitrator integrates these inputs with contextual knowledge about the preplanned flight path to resolve conflicts and arrive at a final estimate of current position. (8

Refs)

Subfile: B C

Descriptors: aircraft instrumentation; computerised navigation; computerised pattern recognition; military computing; position control; radar systems

Identifiers: mm-wave; military computing; computerised pattern recognition; intelligent system; autonomous navigation of airborne vehicles ; polarimetric radar **cross**-section; **area segmentation** ; ground contours; landmarks; road networks; terrain feature maps; contextual knowledge; flight path; conflicts; estimate of current position

Class Codes: B7630 (Avionic systems and instrumentation); B6320 (Radar systems and equipment); B7950 (Radar and tracking systems); C7460 (Aerospace engineering); C7410F (Communications); C3360L (Aerospace systems) ; C3120C (Spatial variables)

19/5/26 (Item 26 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

03270865 INSPEC Abstract Number: A89004275, B89005002, C89001365

Title: Polar ionospheric disturbance effects on GNSS satellite positioning

Author(s): Ogawa, T.; Maeno, H.; Igarashi, K.; Aikyo, K.

Author Affiliation: Radio Res. Lab., Tokyo, Japan

Journal: IEEE Transactions on Aerospace and Electronic Systems vol.24, no.4 p.360-5

Publication Date: July 1988 Country of Publication: USA

CODEN: IEARAX ISSN: 0018-9251

U.S. Copyright Clearance Center Code: 0018-9251/88/0700-0360\$01.00

Language: English Document Type: Journal Paper (JP)

Treatment: Experimental (X)

Abstract: From the analysis of the United States Navy **navigation**

satellite **system** (NNSS) positioning data of about 10000 passes, it is clearly found that polar ionospheric disturbance affects the positioning. The positioning error increases with increasing geomagnetic disturbance level (local K- **index**), and the pass number of position fixes decreases by one or two per day when the K- **index** is large. These effects may arise from the **spatial** gradients of electron density and/or the radio wave scattering due to well-developed ionospheric irregularities inherent to the disturbed auroral ionosphere. (9 Refs)

Subfile: A B C

Descriptors: artificial satellites; electron density; ionospheric electromagnetic wave propagation; position control; radiowave propagation

Identifiers: plasma; NNSN satellite positioning; United States Navy **navigation** satellite **system** ; polar ionospheric disturbance; positioning error; geomagnetic disturbance level; local K- **index** ; **spatial** gradients of electron density; radio wave scattering; ionospheric irregularities; disturbed auroral ionosphere

Class Codes: A9420D (Ionospheric structure (D, E, F, and topside regions inc. steady-state ion densities and temperatures)); A9420B (Wave propagation); A9420V (Ionospheric disturbances); B6330 (Radionavigation and direction finding); B5210C (Radiowave propagation); B7610 (General aspects of space vehicles and satellites); C3360L (Aerospace systems)

19/5/27 (Item 27 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

03083037 INSPEC Abstract Number: A88035348, C88020510

Title: **Acquisition and display of geographical data in conformal cartography: on-line and off-line applications**

Author(s): Bortoluzzi, G.; Ligi, M.

Author Affiliation: Istituto per la Geol. Marina, CNR, Bologna, Italy

Journal: Bollettino di Oceanologia Teorica ed Applicata vol.5, no.3 p.173-82

Publication Date: July 1987 Country of Publication: Italy

CODEN: BOTAE6 ISSN: 0393-196X

Language: Italian Document Type: Journal Paper (JP)

Treatment: General, Review (G)

Abstract: Describes the technical experience of the Istituto per la Geologia Marina of CNR in cartographic mapping and **spatial** data display and analysis. After a short discussion on some problems that arise when attempting to **link** good standard cartography with **spatial** processing, interactive computer programs are presented that: (1) perform coordinate transformation and accurate datum shifts, (2) capture geographical coordinates from conformal projections, (3) produce good-quality composite maps in conformal projections from **data** sets in **geographical** coordinates, while performing **spatial** analysis by interfacing graphics **systems** , and (4) display real-time **navigation** data on conformal projections, overlaying them with topographic data such as bathymetries and continental boundaries. The results from the programs indicate their usefulness in geological and geophysical applications and the use of geographical coordinates is recommended. (10 Refs)

Subfile: A C

Descriptors: bathymetry; cartography; data acquisition; geography; geophysics computing; topography (Earth)

Identifiers: topography; display; **geographical data** ; conformal cartography; Istituto per la Geologia Marina; **spatial** processing; interactive computer programs; coordinate transformation; datum shifts; geographical coordinates; projections; composite maps; interfacing graphics systems; bathymetries; continental boundaries

Class Codes: A0650D (Data gathering, processing, and recording, data displays including digital techniques); A9110D (Cartography); A9110J (Topography: geometrical observations); A9150G (Bathymetry and noncoastal underwater morphology); C5520 (Data acquisition equipment and techniques); C7340 (Geophysics); C7890 (Other special applications)

19/5/28 (Item 28 from file: 2)

DIALOG(R) File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

02807271 INSPEC Abstract Number: C87010301

Title: A decision system for autonomous robot navigation over rough terrain

Author(s): Quek, F.K.; Franklin, R.F.; Pont, F.

Author Affiliation: Dept. of Sensor & Meas. Technol., Environ. Res. Inst., Ann Arbor, MI, USA

Journal: Proceedings of the SPIE - The International Society for Optical Engineering vol.579 p.377-89

Publication Date: 1985 Country of Publication: USA

CODEN: PSISDG ISSN: 0277-786X

Conference Title: Intelligent Robots and Computer Vision

Conference Sponsor: SPIE

Conference Date: 16-20 Sept. 1985 Conference Location: Cambridge, MA, USA

Language: English Document Type: Conference Paper (PA); Journal Paper (JP)

Treatment: Practical (P)

Abstract: In the implementation of an autonomous mobile robot, the navigation system must be able to find an acceptable path through a region of multi-valued traversal costs. Information must be efficiently represented, with sufficient information density in the robot's immediate navigation domain, in a manner which facilitates a process of learning the terrain. The paper discusses a decision system built around a 'Routing-Engine' employing a cellular-array processor, to propagate a wave over a two-dimensional map in which the pointwise traversal costs are represented as pointwise refractive indices. The path returned is the locus of local normals to the wavefront of the first wave, originating at the robot's current location, to reach the goal. The central fovea of each map in the hierarchy is 'blown-up' to yield a map more local to the vehicle, with the lowest level map possessing sufficient resolution to maneuver the robot. As the robot moves, its registration in the centre of each map in the stack is maintained by 'scrolling' the maps over each other. As this is done, sensed information is propagated through the stack updating the information stored at each level. The system has been implemented successfully in simulation. (20 Refs)

Subfile: C

Descriptors: computer vision; navigation; robots

Identifiers: computer vision; decision system; autonomous robot navigation; rough terrain; autonomous mobile robot; Routing-Engine; cellular-array processor

Class Codes: C3390 (Robotics); C7420 (Control engineering)

19/5/29 (Item 29 from file: 2)

DIALOG(R) File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

02258072 INSPEC Abstract Number: B84032642

Title: Estimate of the mutual influence of a group of radio-electronic

systems

Author(s): Savin, S.K.; Saliyenko, P.F.
Journal: Radiotekhnika vol.38, no.3 p.41-4
Publication Date: March 1983 Country of Publication: USSR
CODEN: RATEAO ISSN: 0033-8486
Translated in: Telecommunications and Radio Engineering, Part 2 (Radio Engineering) vol.38, no.3 p.103-6
Publication Date: March 1983 Country of Publication: USA
CODEN: TCREEAG ISSN: 0040-2508
U.S. Copyright Clearance Center Code: 0040-2508/83/0003-0103\$7.50/0
Language: English Document Type: Journal Paper (JP)
Treatment: Theoretical (T)
Abstract: An **index** for estimating the mutual influence of a **group** of radio-electronic systems is proposed, which takes into account the instability of the operating frequencies of the useful and interfering radio-electronic systems, and also the standards on the difference between their frequencies. The possibility of using the **index** in practice is demonstrated. (0 Refs)
Subfile: B
Descriptors: frequency stability; radio systems; radiofrequency interference
Identifiers: radio electronic equipment; RFI; EMC; aircraft **navigation system**; instability
Class Codes: B5210C (Radiowave propagation); B5230 (Electromagnetic compatibility and interference); B6250 (Radio links and equipment)

19/5/30 (Item 30 from file: 2)

DIALOG(R)File 2:INSPEC
(c) 2004 Institution of Electrical Engineers. All rts. reserv.

00629804 INSPEC Abstract Number: B74016925, C74011770

Title: Space Shuttle avionics

Author(s): McQuade, K.F.; Rubenstein, S.Z.
Author Affiliation: Rockwell Internat., New York, NY, USA
Conference Title: EASCON '73. Record p.42
Publisher: IEEE, New York, NY, USA
Publication Date: 1973 Country of Publication: USA x+251 pp.
Conference Sponsor: IEEE; et al
Conference Date: 17-19 Sept. 1973 Conference Location: Washington, DC, USA

Language: English Document Type: Conference Paper (PA)

Treatment: General, Review (G)

Abstract: Abstract only given, substantially as follows: The authors discuss the following **areas** : guidance, **navigation**, and control; **data processing** and **software**; communications and tracking; and displays and controls. The overall requirements for performance monitoring, and some of the unique problems in the interfaces between the orbiter avionics and the other elements are discussed.

Subfile: A B C

Descriptors: aerospace instrumentation; data processing; display systems; navigation; **space** communication **links**; **space** vehicles

Identifiers: **Space** Shuttle avionics; guidance; navigation; control; data processing; software; displays; tracking; controls; requirements for performance monitoring; unique problems; interface problems with main engines; interface problems with external tanks; interface problems with solid rocket boosters; electronics systems

Class Codes: A9480 (Instrumentation and techniques for aeronomy and cosmic ray studies); B6250H (Space communication systems); B6330 (Radionavigation and direction finding); B7230 (Sensing devices and

transducers); B7250G (Display, recording and indicating instruments); B7630 (Avionic systems and instrumentation); C3210B (Recorders and indicators); C7490 (Other engineering fields)

19/5/31 (Item 31 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2004 Institution of Electrical Engineers. All rts. reserv.

00153192 INSPEC Abstract Number: B70025640

Title: **Hyperbolic radio navigation systems of the phase comparison type**

Inventor(s): O'Brien, W.J.; Hendley, D.A.

Assignee(s): Decca Ltd

Patent Number: US 3465340 Issue Date: 690902

Application Date: 680815

Priority Appl. Number: GB 38141/67 Priority Appl. Date: 670818

Country of Publication: USA

Language: English Document Type: Patent (PT)

Abstract: A receiver for use with a hyperbolic radio **navigation** system in which synchronised signals of frequency p_f and n_f are radiated simultaneously from **spaced** transmitting stations, each frequency being radiated by only one station at a time, p and n being different integers, and f being a fundamental frequency, has an oscillator at a frequency m_f when m is an integer which may be the same or different from p and n . The oscillator is synchronised with a received signal of frequency p_f and a frequency divider providing a time **index** at frequency l_f is locked to the output of the oscillator. Timing means responsive to the time interval between the l_f time **index** and a next succeeding time **index** locked to the n_f signals provide an indication of the phase relation between the received signals. The time interval determined by the timing means can be integrated to provide a positional indication.

Subfile: B

Descriptors: radionavigation

Class Codes: B6330 (Radionavigation and direction finding)

19/5/32 (Item 1 from file: 35)

DIALOG(R)File 35:Dissertation Abs Online

(c) 2004 ProQuest Info&Learning. All rts. reserv.

01618123 ORDER NO: AAD98-16314

AMERICAN INDIANS IN HIGHER EDUCATION: A CASE STUDY OF DOCTORAL CANDIDATES AT MONTANA STATE UNIVERSITY

Author: HARRISON, JOHNEL LOUISE

Degree: ED.D.

Year: 1997

Corporate Source/Institution: MONTANA STATE UNIVERSITY (0137)

Adviser: ROBERT FELLENZ

Source: VOLUME 58/11-A OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 4203. 130 PAGES

Descriptors: EDUCATION, HIGHER ; EDUCATION, ADULT AND CONTINUING ; SOCIOLOGY, ETHNIC AND RACIAL STUDIES

Descriptor Codes: 0745; 0516; 0631

American Indians are faced with a bleak situation. They rank at or near the bottom of every social **index** used as measurement of human suffering in the United States. These conditions are often described as "third world" and are not a reality of the American dream although they are within the physical boundaries of the country in which this dream is

portrayed. Education is viewed as the only means of survival for the American Indian to overcome this bleak situation. To realize higher education, American Indians must **navigate** through a **system** that ignores their language, culture, and traditions. Although education has been recognized as a means of self determination for American Indians to combat the conditions faced by their tribes, American Indians have yet to account for less than 1% of all post-secondary degree recipients in the United States. The purpose of this study was to examine the success of American Indians in Montana State University, Department of Education doctoral programs, to identify the barriers/obstacles and strategies used by the doctoral candidates to succeed and to demonstrate how other American Indians may also succeed in post-secondary education.

Qualitative data collection techniques of open-ended, individual interviews and focus **groups** were conducted with the 12 doctoral candidates who composed the participants of this study. Findings were arranged by the doctoral candidates undergraduate experiences, masters programs, doctoral programs, and post doctoral plans. Three conclusions were uncovered in the study: (1) desires changed from the participants undergraduate programs to their doctoral programs, (2) the Graduate Record Exam (GRE) was found not to be a barrier, but an obstacle for the study participants, (3) there were differences found in the post doctoral plans of the reservation and campus site **groups**.

The experiences of the 12 American Indian doctoral candidates revealed not only their presence in post-secondary education but that they can be successful in higher education. They have provided a path with strategies to navigate through the barriers and obstacles for other American Indians to follow.

19/5/33 (Item 2 from file: 35)
DIALOG(R)File 35:Dissertation Abs Online
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01613535 ORDER NO: AAD98-11101
QUERY OPTIMIZATION FOR NAVIGATION IN GEOGRAPHIC INFORMATION SYSTEMS
(GIS, VEHICLE ROUTE GUIDANCE)

Author: HUANG, YUN-WU

Degree: PH.D.

Year: 1997

Corporate Source/Institution: THE UNIVERSITY OF MICHIGAN (0127)

Chair: ELKE A. RUNDENSTEINER

Source: VOLUME 58/10-B OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 5482. 247 PAGES

Descriptors: COMPUTER SCIENCE

Descriptor Codes: 0984

In the information age, navigation applications such as vehicle route guidance, network routing, and traveler information systems are facing new demands from users for better and faster path services. This dissertation presents novel solutions to today's navigation problems by addressing path computation issues, such as (1) providing stringent response time, (2) capturing dynamically changing measurements (e.g., traffic conditions), (3) scaling up to large maps, and (4) customizing path computation based on ad-hoc user constraints.

For navigation such as centralized vehicle route guidance systems, we propose the Hierarchical Encoded Path Views (HEPV) solution to efficiently compute path queries for a large number of users. The HEPV fragments a large map into sub-graphs, organizes them into a hierarchy, and pre-computes all-pair shortest paths for the sub-graphs. HEPV can efficiently compute paths because partial path **segments** are pre-computed. It also minimizes the path pre-computation and storage costs because

sub-graphs are much smaller than the original map. As a result, HEPV can frequently update the pre-computed paths in capturing the dynamic traffic conditions. HEPV is the first hierarchical path per-computation approach that can achieve 100% path accuracy by guaranteeing path optimality.

For traveler information services, we present three different types of optimization. First, we develop and experimentally evaluate a graph clustering technique that **groups** graph **links** into disk pages based on their **spatial** proximity. Our experimental results show that this technique significantly improves path computation I/O over alternative clustering solutions. Next, we identify a new navigation query class, called **spatial** path queries (such as avoiding flood areas), and develop an array of integration strategies for **spatial** path query processing. We also conduct extensive experiments for establishing guidelines for selecting the best **spatial** path query processing strategies under given circumstances. Lastly, we proposed several techniques to improve the state-of-the-art methods in **spatial** query processing. The first of these techniques is a new Breadth-First R-tree Join method which employs global optimization techniques to significantly reduce the I/O cost (up to 50%) in the filter step processing of **spatial** joins. The second is a solution for the refinement step processing of **spatial** joins, called Symbolic Intersect Detection, which dramatically reduces the computation cost by more than 50% over the state-of-the-art technology.

19/5/34 (Item 3 from file: 35)
DIALOG(R)File 35:Dissertation Abs Online
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01371462 ORDER NO: AAD94-24099
A MEMORY-MAPPED PERSISTENT OBJECT SYSTEM WITH A CONCURRENT PROGRAMMING AND EXECUTION ENVIRONMENT (OPERATING SYSTEM SUPPORT)

Author: FU, MEI-MEI

Degree: PH.D.

Year: 1994

Corporate Source/Institution: ARIZONA STATE UNIVERSITY (0010)

Co-chairpersons: PARTHA DASGUPTA; DONALD MILLER

Source: VOLUME 55/04-B OF DISSERTATION ABSTRACTS INTERNATIONAL.

PAGE 1514. 265 PAGES

Descriptors: COMPUTER SCIENCE

Descriptor Codes: 0984

The advantages of object-oriented programming systems are well known. In general, object-oriented programming environments do not support long-lived objects, nor do they allow concurrent sharing and dynamic re-use of language defined objects. Persistent object systems address these shortfalls. Persistent object systems extend the conventional object-oriented environment by adding features such as persistence, sharability and dynamic re-usability. These features allow object states and complex object graphs to be stored and retrieved transparently.

This research presents a design and implementation of a persistent object system that uses memory-mapping to directly map objects from the persistent store into the address **space** of user programs. Memory mapping makes use of advanced operating system support and makes the management and manipulation of persistent objects simpler. In particular, complex object structures can be executed (shared) concurrently on behalf of separately executing applications. Simple language extensions have been designed and added to C++ to make the programming of persistence, sharing, synchronization and consistency control expressible. With effective run-time support for persistent **pointer** resolution and consistency maintenance, this approach can provide much finer-grain execution

concurrency and sharing, easier object **navigation** , simpler **programmability** and possibly better performance, than object-oriented database systems.

19/5/35 (Item 1 from file: 99)

DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs
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1284780 H.W. WILSON RECORD NUMBER: BAST96006953

Aerospace Source Book

AUGMENTED TITLE: special issue

Aviation Week & Space Technology v. 144 (Jan. 8 '96) p. 5-325

DOCUMENT TYPE: Feature Article ISSN: 0005-2175 LANGUAGE: English

RECORD STATUS: New record

ABSTRACT: Aviation Week & **Space** Technology presents its 1996 Aerospace Source Book. Articles discuss the outlook for the international fighter, bomber, military transport, military trainer, commercial aircraft, helicopter, business aircraft, unmanned aerial vehicle, and commercial and military engine markets; the **space** market's shift to the private sector; missile development and procurement; and the growing interest in communications and **navigation systems** ; provide an inventory of world military aircraft; profile the major contractors in the world, the major airlines, and the leading regional airlines; and list the top aircraft, missile, and **space** subcontractors. Tables present specifications for military aircraft, commercial aircraft, rotary-winged aircraft, business and general aviation aircraft, unmanned aerial vehicles and drones, gas turbine engines, launch vehicles, spacecraft, missiles, communication and **navigation systems** , data processing equipment, displays and instruments, electronic warfare systems, radars and sensors, and weapons control and targeting systems. An **index** is included.

DESCRIPTORS: Aerospace industry;

19/5/36 (Item 1 from file: 233)

DIALOG(R)File 233:Internet & Personal Comp. Abs.
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00450850 97SM02-009

Offline browsers -- Happy trails to you

Holzberg, Carol S

Small Business Computing , February 1, 1997 , v15 n2 p46, 1 Page(s)

ISSN: 0899-7373

Company Name: Folio; DataViz

Product Name: Web Retriever; Web Buddy for Windows 95

Languages: English

Document Type: Software Review

Grade (of Product Reviewed): B; B

Hardware/Software Compatibility: IBM PC Compatible; Microsoft Windows; Macintosh

Geographic Location: United States

Presents comparative reviews of two offline browsers for IBM PC compatibles and Macintosh. Products reviewed and ratings (out of four stars) include: Web Retriever v2.0 (\$39) from Folio (801, 800)- two and one-half; and Web Buddy v1.0 for Windows 95 (\$49) from DataViz (203, 800)-three. Both run Windows 95 and require 3.5MB of hard disk **space** , and PPP or SLIP Internet connection. Web Retriever requires 8MB of RAM and a Web browser. Web Buddy also requires Apple **System** 7, 4MB of RAM,

Netscape Navigator, Microsoft Internet Explorer, or Quarterdeck Mosaic. Says Web Retriever builds an infobase of downloaded pages which can be browsed offline. It offers hyperlinks for following connections, annotated pages with notes, and an electronic highlighter. It indexes as it downloads, making download times longer than those of Web Buddy. Says Web Retriever is an excellent tool for searching and editing Web downloads. (HHW)

Descriptors: Web Browsers; Software Review

Identifiers: Web Retriever; Web Buddy for Windows 95; Folio; DataViz

19/5/37 (Item 2 from file: 233)

DIALOG(R) File 233:Internet & Personal Comp. Abs.

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00447626 97PI01-237

Dashboard GPS tracking -- With the affordable Tripmate GPS from DeLorme, you may never get lost again

Brown, Bruce

PC Magazine, January 21, 1997, v16 n2 p73, 1 Page(s)

ISSN: 0888-8507

Company Name: DeLorme Mapping

Product Name: DeLorme Tripmate Hyperformance GPS Navigation Device

Languages: English

Document Type: Hardware Review

Grade (of Product Reviewed): B

Hardware/Software Compatibility: IBM PC Compatible; Microsoft Windows 95; Microsoft Windows NT; Microsoft Windows

Geographic Location: United States

Presents a favorable review of the DeLorme Tripmate Hyperformance GPS Navigation Device (\$150), a hardware/ software mapping solution from DeLorme Mapping of Freeport, ME (800, 207). Requires an IBM PC or compatible notebook with 8MB RAM, 8MB hard disk space, and Windows 3.x, Windows 95, or Windows NT. Explains that the package combines a 12-channel GPS reader with Street Atlas USA 4.0 mapping software. Claims that this combination is capable of mapping the user's current location within 100 meters, with a sufficient 95-percent accuracy rate. Also provides a link to the DeLorme Web site for weather, construction, and event information that may affect traffic. Emphasizes that this product is not designed for trip planning. Concludes that this is 'a terrific tool' at a bargain price. Includes one photo and one screen display. (kgh)

Descriptors: Geographic Information Systems; Navigation; Travel; Wireless Communication; Window Software; Hardware Review; Mapping

Identifiers: DeLorme Tripmate Hyperformance GPS Navigation Device; DeLorme Mapping

19/5/38 (Item 3 from file: 233)

DIALOG(R) File 233:Internet & Personal Comp. Abs.

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00399983 95PI10-233

Tapcis 6.0 makes it easier to manage CompuServe

Salemi, Joe

PC Magazine, October 24, 1995, v14 n18 p56, 1 Page(s)

ISSN: 0888-8507

Company Name: Support Group, The

Product Name: Tapcis

Languages: English

Document Type: Software Review
Grade (of Product Reviewed): A
Hardware/Software Compatibility: IBM PC Compatible
Geographic Location: United States

Presents a very favorable review of Tapcis 6.0 (\$39.50), a CompuServe **navigation program** from The Support **Group** Inc., McHenry, MD (800, 301). The program requires 512K RAM, DOS 3.1 or later, and EMS or XMS to handle large message files. This version of the program includes Taporder (for managing message threads) and Tappet (for intelligent message-header marking). These allow the user to download only the headers from a forum, mark the messages desired, and download them during the next online session. The program **indexes** and threads messages and can display custom views (of all messages, only new ones, or only those addressed to the user). Although it is a DOS program, it works well under Windows 3.x and Windows 95. This release has a totally revised menu-driven interface and adds mouse support. Says ``the money saved working off-line will more than offset the cost of buying ... the program.'' Includes one screen display.

(djd)

Descriptors: Online Systems; Software Review; Utility Program; User Interface

Identifiers: Tapcis; Support **Group**, The

19/5/39 (Item 1 from file: 256)
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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00103096 DOCUMENT TYPE: Review

PRODUCT NAMES: Mapping (830214)

TITLE: Airborne System Promises Large-Scale Mapping Advances
AUTHOR: Bossler, John D Schmidley, Robert W
SOURCE: GIS World, v10 n6 p46(3) Jun 1997
ISSN: 0897-5507
HOMEPAGE: <http://www.gisworld.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

Airborne Integrated Mapping System (AIMS), a completely digital, real-time **spatial** data acquisition system, has been made available for large-scale mapping and other accurate positioning applications by work done at Ohio State University Center for Mapping's Commercial **Space** Center. AIMS is made up of a positioning and an imaging system combined and installed in an aerial platform. The positioning module uses closely **linked** global positioning **system** (GPS) and inertial **navigation system** (INS) technologies that offer precision to 4-7 centimeters in position over long baselines, and better than 10 arcsec in orientation. This level of accuracy allows extraction of **geographically** referenced **data** from the imaging component without a requirement for ground control. AIMS will be priced economically for an aerial mapping system at about \$250,000. Because ground control, analytical aerotriangulation, and analog-to-digital conversion are not needed, AIMS will generate **spatial** data at less cost than standard aerial mapping methods currently in use. The following topics are covered: system specifics, positioning components, imaging components, AIMS applications, and ongoing work.

COMPANY NAME: Vendor Independent (999999)

SPECIAL FEATURE: Charts
DESCRIPTORS: Aerial Images; GIS; GPS; Image Processing; Mapping
REVISION DATE: 20030330

19/5/40 (Item 2 from file: 256)
DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.
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00099106 DOCUMENT TYPE: Review

PRODUCT NAMES: Perfect Plants Windows & Windows 95 (648248)

TITLE: Perfect Your Gardening Skills with Perfect Plants CD-ROM
AUTHOR: Elko, Lance
SOURCE: Computer Shopper, v17 n1 p282(1) Jan 1997
ISSN: 0886-0556
HOMEPAGE: <http://www.computershopper.com>

RECORD TYPE: Review
REVIEW TYPE: Review
GRADE: A

Simon & Schuster Interactive's Perfect Plants is a superb CD-ROM reference for gardeners, plant hobbyists, and others who want to beautify the landscaping of their homes. As informational as it is entertaining, it is based on a best selling book by two horticultural experts who have written many books on the subject. A refined, easy-to-use interface provides views of video clips and photos of plants, and it has a distinctly British flavor. For example, the Close Window buttons are on the left instead of the right. All the 2,000 included annuals, bulbs, perennials, roses, shrubs, and trees can be grown the U.S. Users can navigate the program from any of five points: GardenTours, with six video segments that show great British and U.S. gardens; Plant Care Movies; Plant Index; Plant Searcher; and Growing Conditions. The last is one of the most useful because it helps select plants that grow best in particular geographic areas and shows how they fit into a particular landscape plan. Users can confine a search to such criteria as the amount of rainfall, sun, and shade, the temperature, and the growing zone of the garden. Other filters are soil types, leaf and flower characteristics, and plant size. Users can flag poisonous, edible, and decorative choices when searching for fruit- or cone-bearing plants. When finished filtering and launching the search, the user is shown a list of plants that match selected criteria.

PRICE: \$40

COMPANY NAME: Simon & Schuster Interactive (609153)
SPECIAL FEATURE: Screen Layouts Charts
DESCRIPTORS: Content Providers; IBM PC & Compatibles; Information Retrieval; Landscaping; Recreation & Hobbies; Windows
REVISION DATE: 20000830

19/5/41 (Item 3 from file: 256)
DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.
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00079230 DOCUMENT TYPE: Review

PRODUCT NAMES: GIS (830278); Internet (833029)

TITLE: Tour the World Wide Web: A Look at Three GIS Sites

AUTHOR: Sieber, Renee Wiggins, Lyna L

SOURCE: GIS World, v8 n6 p70(5) Jun 1995

ISSN: 0897-5507

HOME PAGE: <http://www.gisworld.com>

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

Geographical information system (GIS)-oriented Internet users can ease World Wide Web navigation with browsers like the Mosaic graphical user interface (GUI). GIS exploration can be optimized using Mosaic, **hypertext links**, telnet (controls a remote computer), ftp (file transfer protocol), **search programs** (Archie), **navigation tools** (gopher), and **find/search/use Wide Area Information Servers** (WAISs). Each file selected includes a Uniform Resource Locator (URL), the current site identification for the particular document. Sites relevant to GIS are described, including home pages for the Center for Advanced **Spatial Technologies**, the Florida Growth Management Data Network Coordinating Council, and the Texas Natural Resources Information System.

COMPANY NAME: Vendor Independent (999999)

SPECIAL FEATURE: Screen Layouts Output Samples

DESCRIPTORS: GIS; Information Retrieval; Internet; Internet Browsers;

Mapping

REVISION DATE: 20030330

19/5/42 (Item 4 from file: 256)

DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.

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00069106 **DOCUMENT TYPE:** Review

PRODUCT NAMES: Internet (833029); Gopher (832596)

TITLE: Network Navigation

AUTHOR: Bourne, Philip E

SOURCE: DEC Professional, v13 n9 p30(7) Sep 1994

ISSN: 0744-9216

RECORD TYPE: Review

REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

It is complex and difficult to navigate the Internet, and there are few guides available. However, the navigation tools are mostly free, and largely interoperable. The anonymous ftp uses the File Transfer Protocol, part of the TCP/IP protocol standard. It is necessary to know where the information is before it can be retrieved with anonymous ftp. Some other tools do not require the client to know the **location** of the desired **information**. The **Wide Area Information** Server (WAIS) allows for efficient searches through **indexed** files. Gopher also uses its own protocol on top of TCP/IP, and it can display files in several different formats. Prospero is similar to Gopher, but uses a virtual file **system**. Other **navigational** tools include Netfind, which helps users locate an individual's e-mail addresses, and Archie, a means of locating an FTP site. The World Wide Web brings in **hypertext** to make a very easy and very powerful global information system.

COMPANY NAME: Vendor Independent (999999)
DESCRIPTORS: Information Retrieval; Internet; Internet Utilities; Search
Engines
REVISION DATE: 20020330

19/5/43 (Item 5 from file: 256)
DIALOG(R) File 256:SoftBase:Reviews,Companies&Prods.
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00060468 DOCUMENT TYPE: Review

PRODUCT NAMES: Internet (833029)

TITLE: Linking Up to a Global Network
AUTHOR: Conhaim, Wallys W
SOURCE: Link-Up, v10 n7 p5(4) Jan/Feb 1994
ISSN: 0734-988X
HOMEPAGE: <http://www.infotoday.com>

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

After a user gains access to the Internet, there are many aids to navigating the giant, global network. New users can access a free online information center called the Global Network Navigator, which provides a weekly news service, an online magazine, and other items. NetGuide Online is a 24-hour telephone customer service established by the authors of an Internet **index** book. Also available are help files and Frequently Asked Questions (FAQs) lists. Guidebooks are becoming more numerous, but knowledge of basic services such as telnet, FTP, listserves, and Newsgroups can be more useful and up to date. Business users can get information from organizational and individual providers, or by browsing through interlinked menus, text searching across **systems**, or invoking hypertext **indexes**. Other **navigational** tools discussed include Gopher, Archie, Veronica, Jughead, Wide **Area Information** Server (WAIS), Web, Whois, Knowbot, Netfind, Postmaster, and Finger.

COMPANY NAME: Vendor Independent (999999)
SPECIAL FEATURE: Charts
DESCRIPTORS: Documentation; Information Retrieval; Internet; Internet
Utilities
REVISION DATE: 20000330

Set	Items	Description
S1	0	AU=(JAUGILAS J? OR JAUGILAS, J?)
S2	16460448	DATA? ? OR INFORMATION OR INFO
S3	460633	NAVIGAT?
S4	7820976	GEOGRAPH? OR LOCATION? OR AREA? ? OR REGION? ? OR ZONE? ? - OR SUBAREA OR SUBREGION? OR LOCALIT?
S5	6762056	INTESECT? OR CROSS??? OR MEET? OR LINK? OR OVERLAP? OR ENC- ROACH?
S6	885678	INDEX?? OR INDICES OR POINTER? ?
S7	11285031	PARCEL? OR SPATIAL? OR SPACE? ? OR SEGMENT? OR GROUP? ? OR DIVISION? ?
S8	148533	S3(5N) (SOFTWARE? ? OR PROGRAM? OR APPLICATION? ? OR FREEWA- RE? OR SHAREWARE? OR SYSTEM? ?)
S9	670508	S2(10N)S4
S10	2916	S8(S)S9
S11	36028	S6(10N)S7
S12	3	S10 AND S11
S13	17	S8(S)S11
S14	276	S8 AND S11
S15	501186	S4(10N) (S6 OR S7)
S16	766	S8(S)S15
S17	455	S16(25N) (S5 OR S2)
S18	729	S12 OR S13 OR S14 OR S17
S19	247	S18 NOT PY>1997
S20	238	S19 NOT PD=19970905:20000905
S21	174	RD (unique items)
File	9:Business & Industry(R)	Jul/1994-2004/Jun 02 (c) 2004 The Gale Group
File	15:ABI/Inform(R)	1971-2004/Jun 02 (c) 2004 ProQuest Info&Learning
File	16:Gale Group PROMT(R)	1990-2004/Jun 03 (c) 2004 The Gale Group
File	148:Gale Group Trade & Industry DB	1976-2004/Jun 02 (c) 2004 The Gale Group
File	160:Gale Group PROMT(R)	1972-1989 (c) 1999 The Gale Group
File	275:Gale Group Computer DB(TM)	1983-2004/Jun 03 (c) 2004 The Gale Group
File	621:Gale Group New Prod.Annou.(R)	1985-2004/Jun 01 (c) 2004 The Gale Group
File	636:Gale Group Newsletter DB(TM)	1987-2004/Jun 02 (c) 2004 The Gale Group

21/3,K/1 (Item 1 from file: 9)
DIALOG(R)File 9:Business & Industry(R)
(c) 2004 The Gale Group. All rts. reserv.

1849137 Supplier Number: 01849137 (USE FORMAT 7 OR 9 FOR FULLTEXT)
One-stop shop for designers comes to the Web
(Aspect Development and CMP Media Inc form a joint-venture to create
Electronics Design & Technology Network, a Web site to serve the design
community with information, tools and services)
Electronic Engineering Times, p 16
June 09, 1997
DOCUMENT TYPE: Journal ISSN: 0192-1541 (United States)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 957

(USE FORMAT 7 OR 9 FOR FULLTEXT)

ABSTRACT:
...an engineering-specific PR channel and access to live multimedia feeds
and real-time discussion **groups** for related conferences and shows.
Design-specific tools include **indexed** app notes and briefs from selected
sites in an easy-to- **navigate** databank, downloadable **software** tools and
shareware utilities, useful design patches, and a cross-section of demos
and evaluation kits. Original content...

TEXT:
...an engineering-specific PR channel and access to live multimedia feeds
and real-time discussion **groups** for related conferences and shows.

Design-specific tools include **indexed** app notes and briefs from selected
sites in an easy-to- **navigate** databank, downloadable **software** tools and
shareware utilities, useful design patches, and a cross-section of demos
and evaluation kits. Original content...

21/3,K/2 (Item 2 from file: 9)
DIALOG(R)File 9:Business & Industry(R)
(c) 2004 The Gale Group. All rts. reserv.

1845509 Supplier Number: 01845509 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Mining Company Strikes Vein Of ISP Alliances
(The Mining Company strikes deals with Bell South and five other Internet
service providers to distribute its network of Guide communities and
navigation system)
Newsbytes News Network, p N/A
June 04, 1997
DOCUMENT TYPE: Journal ISSN: 0983-1592 (United States)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 481

(USE FORMAT 7 OR 9 FOR FULLTEXT)

ABSTRACT:
...Internet." The Mining Company's Guides mine the Web for the most
relevant and timely **information**, sorting through other Internet Web
sites, discussion **groups** and chat **areas** to find the most valuable
links and conversations. ...

TEXT:

...Internet." The Mining Company's Guides mine the Web for the most relevant and timely **information** , sorting through other Internet Web sites, discussion **groups** and chat **areas** to find the most valuable **links** and conversations. The Guides, who are real people ranging from medical doctors and journalists to...

...Company and BellSouth.net to provide them the most direct route to this wealth of **information** , " he said. The BellSouth.net service also provides its customers with free Netscape **Navigator software** , no sign-up charges, electronic-mail, "24 x 7" access to expert Help Desk service, and an easy-to-use gateway to useful local **information** , including electronic Yellow Pages. BellSouth.net, located at <http://www.bellsouth.net> on the World...

21/3,K/3 (Item 3 from file: 9)

DIALOG(R)File 9:Business & Industry(R)
(c) 2004 The Gale Group. All rts. reserv.

1834006 Supplier Number: 01834006 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Pioneer preps DVD car-navigation unit
(DVD-based car-navigation systems that Pioneer Electric will introduce to Japanese market will be first of several "derivative" systems from Pioneer)

Electronic Engineering Times, p 22
May 19, 1997

DOCUMENT TYPE: Journal ISSN: 0192-1541 (United States)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 257

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...that requires high storage capacity. A single CD-ROM disk, for example, cannot store sufficient **information** to navigate the Tokyo metropolitan **area** , said Ichiro Hatano, planning manager at Pioneer navigation **division**

Pioneer has prepared a DVD-ROM disk that contains maps covering Japan's nationwide road...

21/3,K/4 (Item 4 from file: 9)

DIALOG(R)File 9:Business & Industry(R)
(c) 2004 The Gale Group. All rts. reserv.

1664443 Supplier Number: 01664443 (USE FORMAT 7 OR 9 FOR FULLTEXT)
IF YOU BUILD IT, WILL THEM COME? LOCATION-BASED COMMUNICATIONS AND THE CONSUMER

(GPS/cellular systems sales to the consumer market should hit \$2.25 bil by 2000)

GPS World, v 7, n 11, p 42+
November 1996

DOCUMENT TYPE: Journal ISSN: 1048-5104 (United States)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 3298

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...location-based mobile communication services for motorists. BMW has just announced availability of a vehicle navigation system, with Cross Country Group providing the services. Cross Country Group will also support location-based services for other automobile manufacturers. Prince Corporation will begin supplying auto manufacturers with a...

21/3,K/5 (Item 5 from file: 9)
DIALOG(R)File 9:Business & Industry(R)
(c) 2004 The Gale Group. All rts. reserv.

1657536 Supplier Number: 01657536 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Equifax Develops Bankruptcy Risk Management System
(An automated bankruptcy risk management system has been developed by Equifax)
Asset-Backed Securities Week, v 2, n 45, p 7
November 04, 1996
DOCUMENT TYPE: Newsletter (United States)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 247

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:
...filings have reached their highest point ever, Equifax has introduced an automated bankruptcy risk management system .

Called the Bankruptcy Navigator, the program is designed to improve the ability of banks, credit unions and retailers to monitor and...

...from Equifax to get a grip on the problem." The system is based on an index that uses risk and bankruptcy models to segment customers according to signs of risk. Those categories then overlay a geographical index reflecting the...

21/3,K/6 (Item 6 from file: 9)
DIALOG(R)File 9:Business & Industry(R)
(c) 2004 The Gale Group. All rts. reserv.

1608936 Supplier Number: 01608936 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Starfish Internet Utilities
(Starfish Internet Utilities is a collection of system, application and Internet utilities that fit together under a single umbrella to produce a unified control panel for everything you're likely to do)
CommunicationsWeek, n 628, p 68
September 16, 1996
DOCUMENT TYPE: Journal ISSN: 0748-8121 (United States)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 791

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:
...capabilities of Windows 95, along with a replacement for much of the navigator of Netscape Navigator .

You can run programs from Internet Utilities, and you can surf the Web. Any such action is invoked by...

...Moving from one application or file to another requires just the click of a mouse **pointer** .

The Internet Utilities requires more **space** than is usually available, once it's converted you Start Menu and Taskbar entries into...

21/3,K/7 (Item 7 from file: 9)

DIALOG(R)File 9:Business & Industry(R)
(c) 2004 The Gale Group. All rts. reserv.

1413468 Supplier Number: 01413468 (USE FORMAT 7 OR 9 FOR FULLTEXT)
World Trade News: Boom in satellite navigation for cars
(About 30% of new cars to be equipped with satellite navigation systems as standard by yr 2000; cost of such systems expected to decline)
Financial Times London Edition, p 4
February 20, 1996
DOCUMENT TYPE: Business Newspaper ISSN: 0307-1766 (United Kingdom)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 587

ABSTRACT:

...additional material, such as guide book entries on hotels and restaurants and tourist and historical **information** on places to visit. High costs continue to hold down demand for **navigation systems**, according to Martin, but prices will fall as demand rises.

Full text discusses costs of...

21/3,K/8 (Item 8 from file: 9)

DIALOG(R)File 9:Business & Industry(R)
(c) 2004 The Gale Group. All rts. reserv.

1219680 Supplier Number: 01219680
Europe Plots Navigation Strategy
(European agencies slated to invest 168 mil European Currency Units (\$218 mil) in five-year program to lease small amount of capacity on two Inmarsat satellites)
Space News, v 6, n 24, p 9
June 19, 1995
DOCUMENT TYPE: Journal ISSN: 1046-6940 (United States)
LANGUAGE: English RECORD TYPE: Abstract

ABSTRACT:

...the latter part of 1996 or the early part of 1997. Reportedly, the European Global **Navigation Overlay System** will allow users of GPS and Glonass to verify the accuracy of the satellite **data** and make it more possible that satellite navigation will be launched in civilian aviation in ...

21/3,K/9 (Item 9 from file: 9)

DIALOG(R)File 9:Business & Industry(R)
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1031745 Supplier Number: 01031745 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Networking Roundup
(Digital Communications Associates introduces RLN Application Server software for Novell networks; notes other networking-related news)

Newsbytes News Network, p N/A
June 28, 1994
DOCUMENT TYPE: Journal (United States)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 425

ABSTRACT:

...was licensed from Citrix Systems Inc. In other networking news, Novell is licensing its Network **Navigator**, IBM-mainframe-based **software** and **data** distribution technology, to Prognet, which develops mainframe-based communications "solutions." Eagle Technology has introduced the...

21/3,K/10 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2004 ProQuest Info&Learning. All rts. reserv.

02367337 117540639
ALIBI: a novel approach to resource discovery
Flater, David; Yesha, Yelena
Internet Research v5n4 PP: 17-30 1995
ISSN: 1066-2243 JRNL CODE: NTRS
WORD COUNT: 7860

...TEXT: on the net became large, the resource discovery problem arose (Schwartz, 1988). Users found themselves **navigating** file **system** after file **system** with FTP in search of specific files and having diminishing success at finding them. Riding...

...not need to indicate the source of the information they desire, traverse a hierarchical file **system**, or **navigate** a hyperdocument to get to the information. Large, centralized archives and meta-indices are unnecessary ...that it is "down" until it succeeds in establishing a new connection and rebuilding its **index**.

We are also using the blobs resource to provide a **group** of image files at NASA GSFC. This time, we needed to customize the mediator to...list.
Gopher

Gopher (Lindner, 1994; McCahill, 1992; Obraczka et al., 1993) is primarily a hierarchical, **navigational** information **system**. It is not completely hierarchical because a "child" node may actually lead back to a...

21/3,K/11 (Item 2 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2004 ProQuest Info&Learning. All rts. reserv.

01419374 00-70361
Surfing corporate intranets: Search tools that control the undertow
Zorn, Peggy; Marshall, Lucy; Panek, Mary
Online v21n3 PP: 30-51 May/Jun 1997
ISSN: 0146-5422 JRNL CODE: ONL
WORD COUNT: 8051

...TEXT: components: SEARCH '97 Personal, Information Server, Agent Server, Advanced Search and Query enhancements, and Knowledge **application** tools and advanced **navigation**. SEARCH'97 Personal is an interface used to initiate search queries, access search agents, and...ZyIndex allows you to define users and passwords that can be assigned to specific documents,

groups of documents, or indexes in order to control security.

Because all

21/3,K/12 (Item 3 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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01393430 00-44417

A unified similarity coefficient for navigating through multi-dimensional information

Tudhope, Douglas; Taylor, Carl

Journal of the American Society for Information Science v33 (Proceedings of the 59th Annual Meeting of the American Society for Information Science)

PP: 67-70 1996

ISSN: 0002-8231 JRNL CODE: ASI

ABSTRACT: An integrated approach to similarity coefficients, for information spaces with multiple dimensions of different types of index term, is described. Applications of similarity coefficients underlying different navigation tools in hypermedia are categorized by type of term. An implementation of a unified similarity...

21/3,K/13 (Item 4 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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01341954 99-91350

Achieving success with production monitoring

Stanfield, Paul; Watkins, Melissa

Industrial Management v38n5 PP: 15-19 Sep/Oct 1996

ISSN: 0019-8471 JRNL CODE: IM

WORD COUNT: 2770

...TEXT: arranged in an intuitive hierarchy of increasing detail. Graphics capabilities are not appropriately used.

Memorized navigation -Though system users are not experts in monitoring systems, they are experts concerning the production system. To...As the system grows, problems with database performance may be addressed through the use of indexes or by database segmentation according to the line/cell.

Information usage

Several final comments should be made regarding monitoring...

21/3,K/14 (Item 5 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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01280819 99-30215

IAC and UMI go head-to-head on full text: A comparison of Expanded Academic Index via SearchBank and Periodical Abstracts Research II with PowerPages

Richter, Carole J; Wesley, Threasa L

Database v19n4 PP: 62-71 Aug/Sep 1996

ISSN: 0162-4105 JRNL CODE: DTB

WORD COUNT: 5083

...TEXT: Navigation and Layout

User success and satisfaction is greatly affected by the extent to which **system** features and **navigation** seem intuitive and logical. A strength for the UMI interface is the use of standard...

... grown to include more journals and expanded content, vendors have been forced to divide the **index** database into **segments** to manage the increasing volume of data. IAC offers the convenience of only two files...

21/3,K/15 (Item 6 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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01267455 99-16851

Working with Windows 95

Foley, Michael

Ohio CPA Journal v54n6 PP: 17-22 Dec 1995

ISSN: 0749-8284 JRNL CODE: OCP

WORD COUNT: 3615

...TEXT: computer.

If you are wondering what happened to all of your Windows 3.x program **groups**, just slide your mouse **pointer** up to the Programs selection on the Start Menu. Windows 95 converts all of your...

...an old Windows 3.x user like me, you might prefer to access files and **programs** by browsing the **Programs** folder. **Navigating** the **Programs** Folder is similar to using the Program Manager in older versions of Windows. You can...

21/3,K/16 (Item 7 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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01266606 99-16002

DVD: The update

Parker, Dana J

CD-ROM Professional v9n8 PP: 68-73+ Aug 1996

ISSN: 1049-0833 JRNL CODE: LDP

WORD COUNT: 3866

...ABSTRACT: on the storage capacities for single- and dual-layer DVD, resolved interactivity issues and detailed **system** parameters and **navigational** features for DVD media that will prove to be bedrock knowledge for developers. Perhaps the...

...TEXT: great deal of information about DVD previously unavailable to the public. At least in certain **areas**, hard facts at last abound. Recently illuminated topics include new **information** on the storage capacities for single- and dual-layer DVD, resolved interactivity issues, and detailed **system** parameters and **navigational** features for DVD media that will prove to be bedrock knowledge for developers. Perhaps the...is entirely code dependent. In DVD, however, these functions are built into the specification as **navigation** commands. This means that **software** and video developers may take advantage of a standardized command set, writing

code that relies...

... of indeterminate length, starting and ending with an I-Frame. The Program Chain in which **pointers** to these cells and cell **groups** are contained can be chosen by the viewer; for example, one Program Chain could point...

21/3,K/17 (Item 8 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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01067896 97-17290

On the design of hyper "spaces"
Dieberger, Andreas; Bolter, Jay D
Communications of the ACM v38n8 PP: 98 Aug 1995
ISSN: 0001-0782 JRNL CODE: ACM
WORD COUNT: 513

...TEXT: has been realized in the WebWorld system, a virtual landscape in which users could place **links** to their homepages or gateways to their own WebWorlds (see figure).(Figure omitted)

Navigation in such **systems** becomes a matter of moving through the imagined environments and spatial proximity indicates context and...

21/3,K/18 (Item 9 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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01067883 97-17277

RMDM: A methodology for structured hypermedia design
Isakowitz, Tomas; Stohr, Edward A; Balasubramanian, P
Communications of the ACM v38n8 PP: 34-44 Aug 1995
ISSN: 0001-0782 JRNL CODE: ACM
WORD COUNT: 5361

...TEXT: purpose. In our case, RMDM provides a language for describing the information objects and the **navigation** mechanisms in hypermedia **applications** .

Database models are useful abstractions in database applications, but the peculiarities of hypermedia, in particular...diagram that represents the design of a database, an RMDM diagram describes how users will **navigate** a hypermedia **application** . To avoid cluttering, slices are not included in Figure 3, and only the key attributes... one shown in Figure 3, that describes all access structures to be implemented in the **system** .

Navigational Design Guidelines

The design can proceed bottom-up, by focusing first on each entity and... example, a Toolbox list-box or an HTML form can be used to implement an **index** . Step S4 is currently performed manually by programmers. However, a **group** at New York University is developing an RMDM to HTML compiler.

Step S5, user-interface...

... the RMDM diagram obtained in step S3. This includes button layouts, appearance of nodes and **indices** and **location** of navigational aids.

Decisions about how **link** traversal, history, backtracking, and navigational mechanisms are to be implemented are made during step S6...

... software engineering projects. In hypermedia applications, special care must be taken to thoroughly test all **navigational** paths.

A sample **application** developed using RMM is shown in Figure 8, which depicts a screen from the WWW...Hypermedia. ESPRIT series. Springer-Verlag, Heidelberg, 1994.

22. Schwabe, D., and Rossi, G. Building hypermedia **applications** as **navigational** views of information models. In Proceedings of the 28th Hawaii International Conference on System Sciences...

21/3,K/19 (Item 10 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)
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01034994 96-84387

Finding the right words

Marshall, Patrick

InfoWorld v17n16 PP: 68-82 Apr 17, 1995

ISSN: 0199-6649 JRNL CODE: IFW

WORD COUNT: 11795

...TEXT: yet don't need to be converted into electronic documents with extensive cross-referencing and **navigation** tools. Moreover, file indexing **software** requires little preparation on the user's part, as well as little administration or maintenance...of excellent.

Capacity

In this category, we scored both how much data a program could **index** and how well it conserved disk **space** by compressing the **indexes** it created.

Programs that both offered tight index compression and supported an unlimited or unusually...specify file extensions to include or exclude. You can also choose to compress the entire **index**, a process that both saves disk **space** and speeds searches. The Add Documents to **Index** command lets you index additional files. If any of your source documents have changed, you... By default, Isys uses a "stop" list of 317 common words that it will not **index**, thus saving disk **space** and search time. The list is fully editable, and it only takes a click of...as eight of them at a time.

ZyImage does a fine job of conserving disk **space** by compressing its **indexes**. In most cases, you can expect **indexes** to be only about one-third the size of the files you index. The index...

21/3,K/20 (Item 11 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)
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00964287 96-13680

Cyberhealth resources

Johnson, Judith

Healthcare Forum v38n1 PP: 43-47 Jan/Feb 1995

ISSN: 0899-9287 JRNL CODE: HPF

WORD COUNT: 2871

...TEXT: based search utilities are named after comic-book characters:

* Veronica (Very Easy Rodent-Oriented Network **Index** to Computerized Archives) searches gopher- **space** for all the menu items that contain specified words.

* Jughead operates like Veronica, but searches...

... software packages are available for cruising the Internet. Among them are WinPac, developed by NOTIS **systems**; Global Network **Navigator** (GNN), a product of O'Reilly & Associates, which supplies direct links to more than 600...

...A Box (IAB), a program providing instant connectivity to the Internet, a full suite of **applications**, and the Global Network **Navigator**.

Internet health-related discussion groups range from "mailing lists" for people with immune-system breakdowns...

21/3,K/21 (Item 12 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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00937426 95-86818
IMR's alchemy
Carlton, Tom
CD-ROM Professional v7n6 PP: 97-104 Nov/Dec 1994
ISSN: 1049-0833 JRNL CODE: LDP
WORD COUNT: 3407

...TEXT: offers a drop-down menu system and no mouse support, but has a simple menu **system** that is actually easy to **navigate**. ALBUILD offers four key menu elements: File, Edit, Build, and Configure.

For the purpose of...remarkable compared to many popular indexing software which take up to 50 percent of disc **space** for their **indexes**. The parsimonious **indexes** of Alchemy can result in nearly double the available **space** for the database when compared to other indexing alternatives.

CDspan

Alchemy also accommodates the CD...

21/3,K/22 (Item 13 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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00917313 95-66705
SDH: Pointer problems
Cook, Tommy
Telecommunications (International Edition) v28n8 PP: 31-35 Aug 1994
JRNL CODE: TIE
WORD COUNT: 2192

...TEXT: 30 seconds.

In the original sequences, the clock synchronization loss was represented

by continuous evenly **spaced pointer** movements. However, this is not always the case in practice. Experimentation has shown that gaps...

...For example, when a VC-4 is cross-connected, a repetitive sequence of 87 evenly **spaced pointer** movements followed by a gap equivalent to three missing **pointer** movements is generated. Table 1 shows the effect on the jitter output from the 87...

... predicted for all types of SDH VCs. It is possible by the use of sophisticated **pointer** processing nodes to remove this effect and produce regular, evenly **spaced pointer** movements. However, this is not specified as a requirement for the network equipment, and as...a clock network (ITU-TS Study Group 13).

An emerging option is to use sate **navigation systems** such as the Global Positioning Site (GPS) system to provide the master timing source. These...

21/3,K/23 (Item 14 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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00819162 94-68554

Distributed group support systems

Turoff, Murray; Hiltz, Starr Roxanne; Bahgat, Ahmed N F; Rana, Ajaz R

MIS Quarterly v17n4 PP: 399-417 Dec 1993

ISSN: 0276-7783 JRNL CODE: MIS

WORD COUNT: 10610

...TEXT: systems, see Turoff, 1991; Turoff, et al., 1989.)

EMISARI (emergency management information system and reference **index**)

GROUP AND TASK

EMISARI was developed at the Office of Emergency Preparedness in the Executive Offices... a unique set of link types. Users will not be able to remember how to **navigate** completely different **systems** for every **application** . The future for hypertext thus lies in devising more powerful generalized theoretical models of the...

21/3,K/24 (Item 15 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

(c) 2004 ProQuest Info&Learning. All rts. reserv.

00817433 94-66825

Collective mind in organizations: Heedful interrelating on flight decks

Weick, Karl E; Roberts, Karlene H

Administrative Science Quarterly v38n3 PP: 357-381 Sep 1993

ISSN: 0001-8392 JRNL CODE: ASQ

WORD COUNT: 12642

...TEXT: 268). The important point Wegner contributes to our understanding of collective mental processes is that **group** mind is not **indexed** by within- **group** similarity of attitudes, understanding, or language. nor can it be understood without close attention to... on board the ship, and nuclear reactors used to power the ship. Furthermore, the marine **navigation system** and the air traffic control system on a ship are tightly coupled technologies, although they...

21/3,K/25 (Item 16 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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00641483 92-56423

Diversification, Vertical Integration, and Industry Analysis: New Perspectives and Measurement

Davis, Rachel; Duhaime, Irene M.

Strategic Management Journal v13n7 PP: 511-524 Oct 1992

ISSN: 0143-2095 JRNL CODE: SMJ

WORD COUNT: 7268

...TEXT: a segment's businesses as unrelated seemed most likely to occur within this (fairly large) **group** . In computing the entropy **index** using COMPUSTAT II data, Palepu (1985) defined a **segment** 's SSICs that were dissimilar at the 2-digit level as representing unrelated businesses. However... but SIC-3721 is aircraft manufacturing and SIC-3664 is the manufacture of search, detection, **navigation** and guidance **systems** and equipment. Activity in SIC-3664 provides critical instrumentation used in all types of aircraft... up segments, even if the SSICs differ greatly. Therefore, for computing the Herfindahl and entropy **index** measures, the **segment** identity should be based on SSIC1, the primary SIC of the segment. Although this approach...

21/3,K/26 (Item 17 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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00591490 92-06663

Geomatics and the Building of a National Strategy

McLaughlin, John; Nichols, Sue

Computing Canada v18n1 PP: 24 Jan 6, 1992

ISSN: 0319-0161 JRNL CODE: CCD

ABSTRACT: Over the next decade, a major challenge in spatial **data** management will be to develop a national strategy to enhance the accessibility, flow and use of **geographically** referenced **information** . By creating an **information** highway, a national **spatial** **data** infrastructure (NSDI) will allow **data** to be readily transported and integrated both horizontally and vertically. Geomatics is a Canadian term
...

21/3,K/27 (Item 18 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)

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00589964 92-05137

DB2 and Performance

Anonymous

Capacity Management Review v19n12 PP: 7-8 Dec 1991

ISSN: 0091-7206 JRNL CODE: PPR

WORD COUNT: 1358

...TEXT: major performance considerations in a correctly structured SQL query, or a well-thought-out composite **index** , or the proper percent of free **space** left in an often-updated table. Since access path selection

depends on good data base...

... require a rewrite of every application, changes to the tables can be transparent to the **programs**, and **navigation** to the data is transparent to the programs.

The good news, says Madigan, is that...

21/3,K/28 (Item 19 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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00552404 91-26761
Improving the Brain-to-RAM Transfer
Fritz, Mark
Computerworld v25n20 PP: 106-107 May 20, 1991
ISSN: 0010-4841 JRNL CODE: COW
WORD COUNT: 1377

...ABSTRACT: expectations for input devices. Trackballs, which are essentially mice turned upside down, are the preferred **pointers** of some computer users because they occupy less desk **space** than a mouse pad and are less likely to cause wrist strain. One of the...

...TEXT: can assign hot keys.

Trackballs, which are essentially mice turned upside down, are the preferred **pointers** of some computer users because they occupy less desk **space** than a mouse pad and are less likely to cause wrist strain. That is an...without understanding the meaning of them.

Perhaps the best known speech-recognition product is Voice **Navigator** from Articulate **Systems**, Inc. in Cambridge, Mass. With Voice Navigator, Macintosh users can enter common commands such as...

21/3,K/29 (Item 20 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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00482123 90-07880
An Efficient Navigational Aid for Road Travel
Ram, Balasubramanian; Al-Awadhi, Waleed
Computers & Industrial Engineering v17n1-4 PP: 561-564 1989
ISSN: 0360-8352 JRNL CODE: CIE

...ABSTRACT: of rules is developed that is based on the geometry of roads and intersections. A **navigational aid software program** is developed for the city of Kuwait. The setup programs create 9 **data** files that store **data** relating to the city's road network. The program computes the shortest path and presents...

21/3,K/30 (Item 21 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2004 ProQuest Info&Learning. All rts. reserv.

00416601 88-33434
Bell Companies Developing Gateways to Online Services
Page, Bruce

Link-Up v5n4 PP: 10-11 Jul/Aug 1988
ISSN: 0739-988X JRNL CODE: LUP

...ABSTRACT: gateway should provide uniform, ubiquitous, easy-to-use, and affordable access to a variety of **information** services. A gateway system's benefits include: 1. a standard **navigational system**, 2. uniform access methods, and 3. telephone company billing. Most of the RBOCs are conducting...

21/3,K/31 (Item 22 from file: 15)
DIALOG(R) File 15:ABI/Inform(R)
(c) 2004 ProQuest Info&Learning. All rts. reserv.

00262848 85-03281
Subschema Key in Proper Use of DBMS
Ruggera, Mike
Computerworld v18n50 PP: 65, 80 Dec 10, 1984
ISSN: 0010-4841 JRNL CODE: COW

...ABSTRACT: them include: 1. Use the DBMS to mask the program's physical structure from the **programmer** - instead of performing database **navigation**, let the subschema perform any **navigation** required, and let the **programmer** work with a flat file representation of the data. 2. In a record search, let the DBMS, through the subschema, determine if **indexes** and **segment** keys can be used to make the search more efficient. 3. The DBMS should be...

21/3,K/32 (Item 23 from file: 15)
DIALOG(R) File 15:ABI/Inform(R)
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00242954 84-21514
Thematic Mapping Prepares to Break Out of Its Niche
Cooke, Donald F.
Computerworld v18n26 PP: Special Report 3 Jun 25, 1984
ISSN: 0010-4841 JRNL CODE: COW

...ABSTRACT: device, 4. mapping software, and 5. a cartographic database. The cartographic database is a special **data** file that relates each **data** observation to its **spatial location** in terms of either latitude and longitude or some other coordinate scheme. Computer mapping can...

21/3,K/33 (Item 1 from file: 16)
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05163278 Supplier Number: 47880287 (USE FORMAT 7 FOR FULLTEXT)
COMMENTERS AGREE WITH CANCELLATION OF RULE FORBIDDING TRUCK TV SCREENS
HazMat Transport News, v17, n16, pN/A
August 1, 1997
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 510

... necessary to allow truckers, including those who haul hazmat, to take advantage of intelligent transportation **system** (ITS) technologies such as satellite **navigation**.

Charles Medalen of the FHWA said using the screens for entertainment while driving would still...

...laws and that state statutes would cover driver inattentiveness. But FHWA has not supplied an **index** of state laws that control driver inattentiveness, Donaldson noted. His **group** urged FHWA to forbid drivers from using the screens when their vehicles are moving or...

21/3,K/34 (Item 2 from file: 16)
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05076425 Supplier Number: 47452324 (USE FORMAT 7 FOR FULLTEXT)

One-stop shop for designers comes to the Web

Lange, Larry
Electronic Engineering Times, p16
June 9, 1997
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 960

... an engineering-specific PR channel and access to live multimedia feeds and real-time discussion **groups** for related conferences and shows.

Design-specific tools include **indexed** app notes and briefs from selected sites in an easy-to- **navigate** databank, downloadable **software** tools and **shareware** utilities, useful design patches, and a cross-section of demos and evaluation kits. Original content...

21/3,K/35 (Item 3 from file: 16)
DIALOG(R) File 16:Gale Group PROMT(R)
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05051431 Supplier Number: 47414978 (USE FORMAT 7 FOR FULLTEXT)
ixMICRO and Gyration Team Up; ixMICRO to Manufacture and Market Gyration's Wireless GyroPoint Pro II Pointer.

Business Wire, p05270201
May 27, 1997
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 544

... wireless RF-based pointer for multimedia and presentations.

The GyroPoint Pro II is a **free-space pointer** that uses radio frequency (RF) technology and offers the widest transmission range. It resembles and...

...Silicon Valley where its mission is to provide motion sensors to a wide range of **applications**, particularly in the automotive **navigation** and vehicle control, personal computer, consumer game electronics and camcorder stabilization markets. Gyration is located...

21/3,K/36 (Item 4 from file: 16)
DIALOG(R) File 16:Gale Group PROMT(R)
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04952690 Supplier Number: 47278183 (USE FORMAT 7 FOR FULLTEXT)
CARRIERS STEADILY WORKING ON ENHANCED '911' COMPLIANCE

Mobile Phone News, v15, n14, pN/A

April 7, 1997

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 1153

... location equipment free to carriers in exchange for use of the network to transmit location **data** used to offer other services, according to CTIA's Ayers. The Strategis **Group** expects that the market for such **location** services could bring in \$8 billion per year in revenue eventually, according to its report, "Wireless Location Services: 1997." That revenue will come from five **applications**, Strategis predicts, including roadside assistance, **navigation** assistance, real-time traffic updates, child location and **information** /emergency services, including electronic Yellow Pages **information** services.

But not all carriers are convinced the location technology will be a revenue...

21/3,K/37 (Item 5 from file: 16)

DIALOG(R) File 16:Gale Group PROMT(R)

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04853044 Supplier Number: 47138938 (USE FORMAT 7 FOR FULLTEXT)

Pacer Infotec Captures Four Contracts Worth \$2.3 million for Satellite Navigation Test Equipment

News Release, pN/A

Feb 19, 1997

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 223

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...included a component under which Pacer Infotec will provide engineering services from its Defense Systems **group**, "an important development in cross -selling among company business **areas**," Rennie stated. The Hill, Honeywell and McDonnell Douglas GPSTs include the capability to support and ...

...forces worldwide. These EGI systems represent the state-of- the-art in high performance integrated **navigation systems**. Pacer Infotec is a technology solutions provider for defense, aerospace and natural resources management markets. The company specializes in systems integration, geographic **information** systems and global positioning systems.

21/3,K/38 (Item 6 from file: 16)

DIALOG(R) File 16:Gale Group PROMT(R)

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04716124 Supplier Number: 46943355 (USE FORMAT 7 FOR FULLTEXT)

MapInfo announces SpatialWare DataBlade module for INFORMIX-Universal Server.

Business Wire, p12031109

Dec 3, 1996

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 810

... customers for the first time will be able to handle both 2- and 3-dimensional **geographic data** within the same **data** type, for example, elevation, **spatial shape** and **location**. Access and analysis of this sort will be indispensable for **navigation**, transportation and military **applications**, among others. When combined with the 20-verb and operator extensions that MapInfo has made to SQL, this will allow powerful complex querying of **information** in INFORMIX- Universal Server.

A Single Data Column: The MapInfo SpatialWare DataBlade will for the

...

21/3,K/39 (Item 7 from file: 16)

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04689101 Supplier Number: 46901672 (USE FORMAT 7 FOR FULLTEXT)

Internet Access: New Version of Intuit's Investor Insight Uses Internet Connection for Information Updates; Internet Connectivity Provides Significant Cost Savings

EDGE: Work-Group Computing Report, pN/A
Nov 18, 1996

Language: English Record Type: Fulltext
Document Type: Newsletter; Trade

Word Count: 660

... version also contains an enhanced and streamlined interface for increased ease of use and faster **navigation** within the **software**.

As in the original version released in September 1995, up-to-date **information** is available to Investor Insight users through completely integrated online access to the databases of...

21/3,K/40 (Item 8 from file: 16)

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04673062 Supplier Number: 46877589 (USE FORMAT 7 FOR FULLTEXT)

New Version of Intuit's Investor Insight Uses Internet Connection for Information Updates; Internet Connectivity Provides Significant Cost Savings.

Business Wire, p11111215
Nov 11, 1996

Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 780

... version also contains an enhanced and streamlined interface for increased ease of use and faster **navigation** within the **software**.

As in the original version released in September 1995, up-to-date **information** is available to Investor Insight users through completely integrated online access to the databases of...

21/3,K/41 (Item 9 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)
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04574939 Supplier Number: 46725064 (USE FORMAT 7 FOR FULLTEXT)

3M Corporation Uses Netscape Client And Server Software For Its Corporate Intranet

PR Newswire, p0919LATH018

Sept 19, 1996

Language: English Record Type: Fulltext

Document Type: Newswire; Trade

Word Count: 681

... for a global corporate Intranet. Known internally as CISS (pronounced kiss), which stands for Corporate **Information** Sharing Standards, the Intranet is primarily used to distribute standards guidelines, job postings, news, **information** and publications by business units and staff **groups**. The vision is to provide employees with a single **location** where they can start each day and learn about the latest events and **information** at 3M. The company purchased a license for 10,000 copies of Netscape **Navigator** (TM) client **software** and a license for Netscape SuiteSpot(TM) server software to develop its corporate Intranet.

"Because...

21/3,K/42 (Item 10 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

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04567393 Supplier Number: 46713599 (USE FORMAT 7 FOR FULLTEXT)

Design Software

Electronic News (1991), p32

Sept 16, 1996

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 1716

... finance further expansion. New investors included SoundView Financial Group, a U.S. firm, and a **group** of European financial institutions led by **Index** Securities S.A.

Out of San Jose, Calif., Silicon Valley Research (SVR) plans to re...

...on its Internet distribution plans in early October.

Netscape Communications announced Synopsys is using Netscape **Navigator** client **software** as its universal Internet client and Netscape SuiteSpot server software platform for creating, managing, and...

21/3,K/43 (Item 11 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

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04566799 Supplier Number: 46712845 (USE FORMAT 7 FOR FULLTEXT)

Hands-On review: Starfish Internet Utilities

CommunicationsWeek, p68

Sept 16, 1996

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 612

... capabilities of Windows 95, along with a replacement for much of the navigation of Netscape **Navigator**.

You can run **programs** from Internet Utilities, and you can surf the Web. Any such action is invoked by...

...Moving from one application or file to another requires just the click of a mouse **pointer**.

The Internet Utilities requires more **space** than is usually available, once it's converted your Start Menu and Taskbar entries into...

21/3,K/44 (Item 12 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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04520558 Supplier Number: 46641287 (USE FORMAT 7 FOR FULLTEXT)
Circuit City and CompUSA Sign to Carry Gyration's Award-Winning Free- Space /Desktop Pointer Product GyroPoint
PR Newswire, p0819SFM013
August 19, 1996
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 751

Circuit City and CompUSA Sign to Carry Gyration's Award-Winning Free- Space /Desktop Pointer Product GyroPoint
... resulting in technology and usage patents in the U.S. The GyroPoint family of **free- space pointer** products was introduced in 1995. Gyration received the Stellar award from Windows Sources magazine for...
NAICS CODES: 334511 (Search, Detection, **Navigation**, Guidance, Aeronautical, and Nautical **System** and Instrument Manufacturing)

21/3,K/45 (Item 13 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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04485333 Supplier Number: 46584571 (USE FORMAT 7 FOR FULLTEXT)
Trimble Navigation added to S&P SmallCap 600 index.
Business Wire, p07311347
July 31, 1996
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 271

(USE FORMAT 7 FOR FULLTEXT)
TEXT:
...WIRE)--July 31, 1996--The Equity Services Group of Standard & Poor's will replace Ideon **Group** Inc. (IQ) in the S&P SmallCap 600 **Index** with Trimble Navigation Ltd. (TRMB) after the close of trading on Wednesday, Aug. 7, 1996.

Iideon **Group** is being acquired by S&P 500 **Index** component CUC International Inc. (CU). Ideon **Group** shareholders will vote on the merger on that date.

Trimble Navigation makes navigation, positioning, and...

...determine precise geographic locations. Its products are used in surveying and mapping, aviation and marine **navigation systems**, tracking **systems**, and cellular products. The company, which is headquartered in Sunnyvale, Calif., will be added to...

21/3,K/46 (Item 14 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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04466927 Supplier Number: 46557304

Trimble Navigation Ltd. - Company Report

Investext, p1-10

July 19, 1996

Language: English Record Type: Abstract

Document Type: Magazine/Journal; Trade

ABSTRACT:

...a world leader in the emerging market for commercial GPS satellite-based navigation, positioning and **data** communication products. These products are sold in a variety of markets, including marine & aviation **navigation**, military **systems**, vehicle tracking & OEM, and survey & mapping. About 80% of Trimble's revenues come from the survey & mapping, and tracking & OEM product **groups**. The tracking and OEM **group** is the fastest-growing business **area** for Trimble. Tables in report: Stock Price/Earnings **Data** 1995-01; Quarterly Income Statement 1993-96; Yearly Income Statement 1992-97E The INVESTTEXT database...

21/3,K/47 (Item 15 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

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04373151 Supplier Number: 46413526

Web computer shopping lets you browse till you drop

Government Computer News, p40

May 27, 1996

Language: English Record Type: Abstract

Document Type: Magazine/Journal; Tabloid; Trade

ABSTRACT:

...Authorization Card (IMPAC). The GTSI site (run by Government Technology Solutions Inc.) is easier to **navigate** and list thousands of **software** and hardware products. FedCenter (developed by InterFed **Group**) has searchable databases of products and **pointers** to company contacts.

...

21/3,K/48 (Item 16 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

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04323742 Supplier Number: 46338147 (USE FORMAT 7 FOR FULLTEXT)

Wanna play a game with me on the Net?

Electronic Engineering Times, p44

April 29, 1996

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 673

... with the World Wide Web that features a variety of activities. Those include 3-D **spaces** and navigation, persona creations, "world" object manipulations and **pointers** to other gaming services. Describing Cyber Park, Hans Bukow, vice president for product development, said...

...the best place on the Internet to play and to bring people together." The TEN **software** will have Netscape **Navigator** embedded in it so that users can click back and forth between TEN and the...

21/3,K/49 (Item 17 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)
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04065095 Supplier Number: 45917708 (USE FORMAT 7 FOR FULLTEXT)
Building Apps With Navigator; Language support turns Netscape's Web browser into a flexible client-server interface
InformationWeek, p88
Nov 6, 1995
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Tabloid; General Trade
Word Count: 1826

... The main reasons Sun excluded pointers from Java were for security and error detection. Without **pointers**, Java programs can't reference arbitrary memory **locations**, which might contain private **data** such as a cached password. Not implementing pointers also makes it easier to handle error...

21/3,K/50 (Item 18 from file: 16)
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03948356 Supplier Number: 45716238 (USE FORMAT 7 FOR FULLTEXT)
Ashtech's precise move
Electronic Engineering Times, p31
August 7, 1995
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 884

... one of the hottest growth areas in mobile communications. Because GPS transceivers provide 3-D **locational information** with tight time and **space** accuracy, companies such as Rockwell Telecommunications, Trimble **Navigation** and Magellan **Systems** have found heavy interest in GPS integration within PDAs, cellular phones and auto modules for...

21/3,K/51 (Item 19 from file: 16)
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03677108 Supplier Number: 45198075 (USE FORMAT 7 FOR FULLTEXT)
ANNOUNCEMENT: THE INTERNATIONAL IVHS INDEX
Intelligent Highway, v5, n18, pN/A
Dec 12, 1994
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 458

... varied set of IVHS applications and players. A partial list includes:

- * Travel/Traffic Information Providers
- * **Navigation** and Route Planning **Systems**
- * Map Databases
- * Vehicle Positioning Systems/AVL
- * Fleet Tracking Systems
- * Communication Networks and Systems
- * Vehicle Control...

...and Engineering Firms
* Federal and State DOTs
* Transportation Research Facilities
* Universities
* Professional Associations and Trade Groups
* Automakers

The International IVHS Index is now ready for shipping. If you would like to receive more information on The...

21/3,K/52 (Item 20 from file: 16)
DIALOG(R) File 16:Gale Group PROMT(R)
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03598416 Supplier Number: 45065322 (USE FORMAT 7 FOR FULLTEXT)
NOW IN ITS SECOND EDITION, THE INDISPENSABLE DESKTOP DIRECTORY TO THE IVHS INDUSTRY EXPANDS TO INCLUDE EUROPE
Intelligent Highway, v5, n14, pN/A
Oct 17, 1994
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 486

... varied set of IVHS applications and players. A partial list includes:

- * Travel/Traffic Information Providers
- * Navigation and Route Planning Systems
- * Map Databases
- * Vehicle Positioning Systems/AVL
- * Fleet Tracking Systems
- * Communication Networks and Systems
- * Vehicle Control...

...and Engineering Firms
* Federal and State DOTs
* Transportation Research Facilities
* Universities
* Professional Associations and Trade Groups
* Automakers

The International IVHS Index will be ready for shipping in Autumn.
If you would like to receive more information...
PRODUCT NAMES: 3662400 (Electronic Navigation Systems)
NAICS CODES: 334511 (Search, Detection, Navigation, Guidance,
Aeronautical, and Nautical System and Instrument Manufacturing)

21/3,K/53 (Item 21 from file: 16)
DIALOG(R) File 16:Gale Group PROMT(R)
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03462894 Supplier Number: 44833323 (USE FORMAT 7 FOR FULLTEXT)
GYRATION AND IN FOCUS SYSTEMS SIGN MARKETING AGREEMENT
PR Newswire, pN/A
July 11, 1994
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 381

... Inc. (Nasdaq: INFS) in which In Focus will market
and distribute GyroPoint, GYRATION's free-space computer pointer

for

the presentation and multimedia markets. Under the multi-year contract, In Focus Systems will...

...of

the cost of an industrial gyroscope, GyroEngine can be used for non-traditional gyroscope **applications** such as automobile **navigation systems**

, television remote controls, and multimedia computer products such as GyroPoint.

In Focus Systems is the...

21/3,K/54 (Item 22 from file: 16)

DIALOG(R) File 16:Gale Group PROMT(R)

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03383646 Supplier Number: 44697163 (USE FORMAT 7 FOR FULLTEXT)

ANNOUNCEMENT: COMING IN THIS FALL FROM WATERS INFORMATION SERVICES... THE INTERNATIONAL IVHS INDEX: INTELLIGENT VEHICLE/HIGHWAY SYSTEMS

Inside IVHS, v4, n11, pN/A

May 23, 1994

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 475

... varied set of IVHS applications and players. A partial list includes:

- * Travel/Traffic Information Providers
- * **Navigation** and Route Planning **Systems**
- * Map Databases
- * Vehicle Positioning Systems/AVL
- * Fleet Tracking Systems
- * Communication Networks and Systems
- * Vehicle Control...

...and Engineering Firms

- * Federal and State DOTs
- * Transportation Research Facilities
- * Universities
- * Professional Associations and Trade **Groups**
- * Automakers

The International IVHS **Index** will be ready for shipping in September. If you would like to receive more information...

21/3,K/55 (Item 23 from file: 16)

DIALOG(R) File 16:Gale Group PROMT(R)

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03372797 Supplier Number: 44679527 (USE FORMAT 7 FOR FULLTEXT)

New Parallel Databases Put To the Test

CommunicationsWeek, p1

May 16, 1994

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 917

... been beta testing Oracle7.1. One informal test by Harley Green, database administrator for the **group** , created an **index** for a

one-million-row table on a two-processor Sequent machine. 'It went really
...

...be very knowledgeable and monitor the engine close to full time.'

Sybase will offer with **Navigation** Server an expert **systems** tool called Configurator, which will let users model their application characteristics. The software then will...

21/3,K/56 (Item 24 from file: 16)

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03369502 Supplier Number: 44674001 (USE FORMAT 7 FOR FULLTEXT)

ANNOUNCEMENT #2: COMING IN SEPTEMBER FROM WATERS INFORMATION SERVICES...

THE INTERNATIONAL IVHS INDEX: INTELLIGENT VEHICLE/HIGHWAY SYSTEMS
Intelligent Highway, v5, n4, pN/A

May 13, 1994

Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 476

... varied set of IVHS applications and players. A partial list includes:

- * Travel/Traffic Information Providers
- * **Navigation** and Route Planning **Systems**
- * Map Databases
- * Vehicle Positioning Systems/AVL
- * Fleet Tracking Systems
- * Communication Networks and Systems
- * Vehicle Control...

...and Engineering Firms

- * Federal and State DOTs
- * Transportation Research Facilities
- * Universities
- * Professional Associations and Trade **Groups**
- * Automakers

The International IVHS **Index** will be ready for shipping in September. If you would like to receive more information...

NAICS CODES: 334511 (Search, Detection, **Navigation**, Guidance, Aeronautical, and Nautical **System** and Instrument Manufacturing); 484 (Truck Transportation)

21/3,K/57 (Item 25 from file: 16)

DIALOG(R) File 16:Gale Group PROMT(R)
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03306269 Supplier Number: 44566570 (USE FORMAT 7 FOR FULLTEXT)

NAVIGATION: EGT CALLS ON NAVTECH TO STEP UP SUPPORT FOR EUROPEAN MAPPING EFFORT

Intelligent Highway, v5, n1, pN/A

April 1, 1994

Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 923

... includes Etak as one of its three partners. The association is a progression from the **data** pool agreement signed last year between Etak,

Tele Atlas and Bosch (see TIH, Sept. 17, 1993).

Navigating a "Wider Market"

In-vehicle **navigation system** products are clearly one market area for the databases from both groups. EGT is supporting...

21/3,K/58 (Item 26 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

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03249897 Supplier Number: 44469257 (USE FORMAT 7 FOR FULLTEXT)

ANNOUNCEMENT #2: THE IVHS INDEX: INTELLIGENT VEHICLE/HIGHWAY SYSTEMS

Inside IVHS, v4, n5, pN/A

Feb 28, 1994

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 451

... the varied set of IVHS applications and players. A partial list includes:

Traffic Information Providers

Navigation Systems

Map Databases

Positioning Systems

Fleet Tracking

Communications

Vehicle Control

Electronic Toll Systems

AVI Vendors

Smart Card Suppliers

Video Enforcement...

...Contacts

State DOTs Active in IVHS

Government Funded Research Facilities

Universities

Professional Associations and Trade **Groups**

The IVHS **Index** will be ready for shipping in October. The price will is \$595. To receive a...

NAICS CODES: 334511 (Search, Detection, **Navigation**, Guidance, Aeronautical, and Nautical **System** and Instrument Manufacturing)

21/3,K/59 (Item 27 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

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03141537 Supplier Number: 44288775 (USE FORMAT 7 FOR FULLTEXT)

ANNOUNCEMENT #1: THE IVHS INDEX: INTELLIGENT VEHICLE/HIGHWAY SYSTEMS

Intelligent Highway, v4, n12, pN/A

Dec 10, 1993

Language: English Record Type: Fulltext

Document Type: Newsletter; Trade

Word Count: 450

... the varied set of IVHS applications and players. A partial list includes:

Traffic Information Providers

Navigation Systems

Map Databases

Positioning Systems

Fleet Tracking
Communications
Vehicle Control
Electronic Toll Systems
AVI Vendors
Smart Card Suppliers
Video Enforcement...
...Contacts
State DOTs Active in IVHS
Government Funded Research Facilities
Universities
Professional Associations and Trade **Groups**
The IVHS **Index** is now ready for shipping. The price is 395 pounds
sterling (\$595 North America). To...

21/3,K/60 (Item 28 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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02900232 Supplier Number: 43914230 (USE FORMAT 7 FOR FULLTEXT)
N.Y. execs a step ahead of the tax man: Fearing Bill, CEOs take money now
Crain's New York Business, p15
June 21, 1993
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Tabloid; Trade
Word Count: 1234

... of how the company's stock performed against the Standard & Poor's Composite 500 Stock **Index** and a **group** of its competitors.
But the new format can make comparisons with 1991 pay rates - compiled
...
...NAICS CODES: Men's and Boys' Cut and Sew Apparel Manufacturing); 51321
(Cable Networks); 334511 (Search, Detection, **Navigation**, Guidance,
Aeronautical, and Nautical **System** and Instrument Manufacturing); 325611
(Soap and Other Detergent Manufacturing); 312111 (Soft Drink
Manufacturing); 325199 (All...
)

21/3,K/61 (Item 29 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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02829988 Supplier Number: 43805144 (USE FORMAT 7 FOR FULLTEXT)
**Traveling extra light: Sales forces now can be armed with powerful and
versatile computers**
Business Marketing, v0, n0, p53
May, 1993
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 1238

... of portables, manufacturers have improved other aspects of
machines' ergonomics.
Some vendors have further integrated **pointer** devices into portables
to ease use in cramped **spaces** such as airline seats. In its ThinkPad 700C
and 700 notebooks, IBM Corp., Armonk, N...
...into notebook computers.

'In terms of sheer productivity, the pen is the fastest device' for navigating through Windows programs, says Judy MacLean, NEC Technologies Inc.'s manager of product marketing in Portable Computing Systems...

21/3,K/62 (Item 30 from file: 16)
DIALOG(R) File 16:Gale Group PROMT(R)
(c) 2004 The Gale Group. All rts. reserv.

02521225 Supplier Number: 43335610
Navigating the Ocean with Digital Nautical Charts
Computer Graphics World, p19
Oct, 1992
Language: English Record Type: Abstract
Document Type: Magazine/Journal; Trade

ABSTRACT:

...project will create a futuristic database using high-end viewing and analysis of the Geographic **Information System** (GIS). The project will present **navigational data** like port facilities or underwater obstructions on CD ROM for on-board retrieval and viewing via computers. The **information** included within the database can become a more encompassing and powerful analysis tool for **spatial** analysis and **geographic** queries. The US Navy, Coast Guard, and Merchant Marine fleets will be able to, for...

21/3,K/63 (Item 31 from file: 16)
DIALOG(R) File 16:Gale Group PROMT(R)
(c) 2004 The Gale Group. All rts. reserv.

02004385 Supplier Number: 42572295 (USE FORMAT 7 FOR FULLTEXT)
The meeting place
Flight International, p25
Dec 3, 1991
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 3215

... in adjacent columns and the secondary columns to the left and right of the primary **group**. As regards the dial displays, centre-pivoted **pointers** were found far more effective than cursors.

Boeing has not reacted to the IAM findings...skill.

The first significant reduction in pilot workload came with the introduction of simple inertial **navigation systems** which could be linked to the autopilot. This heralded an era of systems integration that

...
NAICS CODES: 334511 (Search, Detection, **Navigation**, Guidance, Aeronautical, and Nautical **System** and Instrument Manufacturing)

21/3,K/64 (Item 32 from file: 16)
DIALOG(R) File 16:Gale Group PROMT(R)
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01936140 Supplier Number: 42470550 (USE FORMAT 7 FOR FULLTEXT)
Engineers look to the skies
Electronic Engineering Times, p96
Oct 28, 1991
Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade
Word Count: 554

... Phoenix, Ariz. The folks here make satellite components, subsystems and systems for satellites and manned space vehicles. They have three main product areas : mechanisms and pointing systems : guidance, navigation and control systems ; and data -control systems. About half of the operation's business, says Mike Druckenmiller, manager of communications...

21/3,K/65 (Item 33 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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01911826 Supplier Number: 42435351 (USE FORMAT 7 FOR FULLTEXT)
Japan To Develop Car Navigation Systems 10/11/91
Newsbytes, pN/A
Oct 11, 1991
Language: English Record Type: Fulltext
Document Type: Newswire; General Trade
Word Count: 242

... a unified system in the future.
Currently, private firms including Pioneer Electric, are marketing car navigation systems , which provide location information using U.S. military space satellites. Such systems cost 300,000 yen (\$2,200) to 600,000 yen (\$4,400...).

21/3,K/66 (Item 34 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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01537603 Supplier Number: 41876809 (USE FORMAT 7 FOR FULLTEXT)
Sumitomo Electric to Join US Group Developing Standards for Car Navigation Systems
Comline Telecommunications, pl
Feb 19, 1991
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 132

(USE FORMAT 7 FOR FULLTEXT)
TEXT:
...IVHS (Intelligent Vehicle Highway System) America," a US group aimed at developing standards for traffic information and car navigation systems . The group will formally begin activities in March. Sumitomo Electric was invited to join the group because of the firm's know-how in the area of traffic control systems and car navigation technology. By joining the group, Sumitomo Electric will...

...area conform to US standards. The firm aims to develop the US market for car navigation and traffic information systems , when such systems are introduced, so as not to be over-dependent on the Japanese...

21/3,K/67 (Item 35 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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01399635 Supplier Number: 41668124
Honeywell, Boeing pact to add jobs in Phoenix
The Business Journal - Serving Phoenix & the Valley of the Sun, p18
Nov 12, 1990
Language: English Record Type: Abstract
Document Type: Magazine/Journal; Tabloid; Trade

ABSTRACT:

...committment to the 777 avionics development program could result in more than 500 employees at **division locations** in Phoenix and Coon Rapids, MN. Under the terms of the agreement, Honeywell will provide Boeing with an airplane **information** -management system, whichi includes cockpit displays and a flight-management system. Additionally, Honeywell will be responsible for providing the 777's **navigation system**. The result will reportedly be a leading-edge integrated avionics subsystem, eliminating the need for ...

21/3,K/68 (Item 36 from file: 16)
DIALOG(R) File 16:Gale Group PROMT(R)
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01306325 Supplier Number: 41532408 (USE FORMAT 7 FOR FULLTEXT)
E-SYSTEMS
Electronic News (1991), p14A
Sept 3, 1990
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 1142

... communications networks; shipboard radio and satellite terminals, packet transmission systems, and ground support equipment; electronic **data** handling systems and equipment, including telemetry **data** transmission and reduction systems, military teleprinters, digital **data** handling equipment; digital plotters; and modular, high capacity broadband local **area** networks.

Garland **division** , Garland, Tex.
Employees: 5,022
Plant Activities: Electronic warfare systems and products for intelligence, strike...

21/3,K/69 (Item 37 from file: 16)
DIALOG(R) File 16:Gale Group PROMT(R)
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01038820 Supplier Number: 41143563
An avionics giant is born
Interavia, v45, n2, p157
Feb, 1990
Language: English Record Type: Abstract
Document Type: Magazine/Journal; Trade

ABSTRACT:

...Sextant Avionique combines the expertise of Thomson in displays, SFENA in autopilots and flight control **systems** , Crouzet in **navigation** and air **data systems** and EAS in communications. The company has organized into 6 divisions: flight guidance, displays, **navigation** , **space** , radio and flight instruments. **Systems** integration will be a growing **area** of

concentration for the company. Sextant Avionique's activities are further detailed in an interview...

21/3,K/70 (Item 1 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

11754659 SUPPLIER NUMBER: 19798700 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Four multimedia atlases. (Creative Wonders 3D Atlas, DK Multimedia

Cartopedia, Microsoft Encarta World Atlas, National Geographic Picture

Atlas of the World) (Software Review) (Evaluation)

Eisler, Leslie

Technology & Learning, v18, n2, p10(4)

Sept, 1997

DOCUMENT TYPE: Evaluation ISSN: 1053-6728 LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 1832 LINE COUNT: 00146

...ABSTRACT: of the World has gorgeous photography and a sleek interface that contains simple-to-understand data . The program proved to be easy to navigate through.

21/3,K/71 (Item 2 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

09836529 SUPPLIER NUMBER: 19614254 (USE FORMAT 7 OR 9 FOR FULL TEXT)
1997 Buyer's Guide and Consultant Directory. (for libraries) (Buyers Guide)

Brandt, D. Scott

Computers in Libraries, v17, n7, p40(66)

July-August, 1997

DOCUMENT TYPE: Buyers Guide ISSN: 1041-7915 LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 34257 LINE COUNT: 03241

... Right On Automation Software Sea Change Corporation Sirsi Corporation Softlink America, Inc. VTLS Inc. Winnebago 1Software Company Internet Navigation /Browsers Ameritech Library Services CIRC Crozier Information Resources Consulting Ltd. EOS Electronic Online Systems International...HRIN Corporation database services (remote access) HSLC database services (remote access) electronic mail integrated systems software /O Internet access/accounts Internet navigation /browsers IM/ online catalog/OPAC /O online databases /U technology training

Hunter Systems accounting/budgeting...IM electronic mail software IM/IM Ethernet cards IMO/IMU imaging systems /IM integrated systems software /IMU Internet access/accounts Internet navigation /browsers /IMU Internetworking (hardware connections) LAN statistics/management IMO/IMU LAN systems software IMO/IMU...Law List on CD-ROM Canada Law Book, Inc.

Canadian Research Index Micromedia Limited

CanCorp Index and Microfiche Services Micromedia Limited

Cansim Disk CGI Group , Inc.

CAPCON Connect CAPCON Library Network

The CareNotes System Micromedex, Inc.

Career & College Quest Software...InterLoan CPS Systems, Inc.

Intermec Bar Code Applications, Inc.

International Country Risk Guide The PRS Group

International Health CD-ROMs Vista InterMedia Corporation

International **Index** to Music Periodicals Chadwyck-Healey
International Law CD-ROMs Vista InterMedia Corporation
Internet 9-5...any size, GLAS--Graphical Library Automation System for
medium to small libraries, T Series (Information **Navigator**
/TINLIB/TINLAW)--text-based **system** with a GUI OPAC for larger libraries,
Manager Series--MARC compatible text-based system for...

21/3,K/72 (Item 3 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

09132296 SUPPLIER NUMBER: 18909212 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Adobe site offers wealth of info. (Adobe Systems' Web site) (Directory)
DiNucci, Darcy
MacWEEK, v10, n46, p104(1)
Dec 2, 1996
DOCUMENT TYPE: Directory ISSN: 0892-8118 LANGUAGE: English
RECORD TYPE: Fulltext
WORD COUNT: 345 LINE COUNT: 00030

... home page and elsewhere on the site, highlight the work of leading
designers and offer **information** about new software features. A simple
navigation system, a site search engine, a site map and a hyperlinked
index, help get visitors to their **area** of interest with a few clicks.
However, the time it took for sections to come up ranged from just fast
enough to too slow.

Information is custom-tailored to the topic at hand, so the site
rewards exploration. One hidden...

21/3,K/73 (Item 4 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

08979552 SUPPLIER NUMBER: 18700526 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Starfish Internet Utilities. (Starfish Software) (Software
Review) (Evaluation)
Rash, Wayne, Jr.
CommunicationsWeek, n628, p68(1)
Sep 16, 1996
DOCUMENT TYPE: Evaluation ISSN: 0746-8121 LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 642 LINE COUNT: 00051

... capabilities of Windows 95, along with a replacement for much of
the navigation of Netscape **Navigator**.

You can run **programs** from Internet Utilities, and you can surf the
Web. Any such action is invoked by...

...Moving from one application or file to another requires just the click
of a mouse **pointer**.

The Internet Utilities requires more **space** than is usually
available, once it's converted your Start Menu and Taskbar entries into...

21/3,K/74 (Item 5 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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08937608 SUPPLIER NUMBER: 18643544 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Netscape's server hits a SuiteSpot. (Netscape's SuiteSpot Internet/Web
server software suite) (Software Review) (Evaluation)
Millman, Howard
InfoWorld, v18, n36, pIw1(2)
Sep 2, 1996
DOCUMENT TYPE: Evaluation ISSN: 0199-6649 LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 1076 LINE COUNT: 00093

...ABSTRACT: Pro, Enterprise Server 2.0, Mail Server, News Server, Proxy Server and Catalog Server. The **software** suite also ships with **Navigator** Gold 2.0 for users that lack a Web browser. SuiteSpot effectively utilizes the resources...

... you automatically index all of a site's data. Indexed files use an ASCII-based **index** format, which simplifies peeking into the **indexes** and uses disk **space** frugally. Once **indexed**, I could search a Web site using Verity Inc.'s full-text search engine technology...

21/3,K/75 (Item 6 from file: 148)
DIALOG(R) File 148:Gale Group Trade & Industry DB
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08828383 SUPPLIER NUMBER: 18505963 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Reading what you sow. (electronic document solutions from Electronic Book Technologies, Folio, InfoAccess and Interleaf) (includes feature table and related articles on planned updates, available training, test results, Web publishing, network searching speeds, speed testing results, benchmarks and pricing) (Software Review) (Evaluation)
Mitchell, Lori; Morrey, Brad; Marshall, Patrick; Mitchell, Karen
InfoWorld, v18, n30, p66(10)
July 22, 1996
DOCUMENT TYPE: Evaluation ISSN: 0199-6649 LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 11135 LINE COUNT: 00912

... within a collection of several documents. The Folio and InfoAccess solutions allow users to easily **navigate** through the documents, launch other **programs**, and interact with the document. With the Folio solution, the focus is on collaboration and...file sizes, which have plagued this product: Save an image once and just use a **pointer** in subsequent locations to save **space** and processing. Acrobat 3.0 will also display a page in Navigator while downloading the...

21/3,K/76 (Item 7 from file: 148)
DIALOG(R) File 148:Gale Group Trade & Industry DB
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08697706 SUPPLIER NUMBER: 18324187 (USE FORMAT 7 OR 9 FOR FULL TEXT)
DISCOUNT MORTGAGE WEB SITE FEATURED AT HOTBOT
PR Newswire, p528NYTU012
May 28, 1996
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 347 LINE COUNT: 00033

... featured at HotBot, according to ALTA International. HotBot, a service of WIRED magazine's Web **division** HotWired, is the largest Web **index**. It allows users to customize searches by date, geography, domain,

or a combination of all...

...the mortgage brokers behind maze.com. Turnauer is the author of the consumer's book/ **software** package " **Navigating the Mortgage Maze**" (Henry Holt, Fall 1996).

"The site features more than low interest rates...

21/3,K/77 (Item 8 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
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08633451 SUPPLIER NUMBER: 18238331 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Wanna play a game with me on the Net? (Internet-based multiplayer games)

(includes a related article on Windows NT-based graphics
platforms) (Emerging Markets: Annual Report) (Internet
Yoshida, Junko
Electronic Engineering Times, n899, p44(1)
April 29, 1996
ISSN: 0192-1541 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 1153 LINE COUNT: 00096

...ABSTRACT: Network's Cyber Park is an online community integrated with the Web; it features 3D **spaces** and navigation, persona creations, 'world' object manipulations, and **pointers** to other gaming services. Total Entertainment Network's **software** will have Netscape's **Navigator** Web browser embedded in it to let users move back and forth between the service

... with the World Wide Web that features a variety of activities. Those include 3-D **spaces** and navigation, persona creations, "world" object manipulations and **pointers** to other gaming services. Describing Cyber Park, Hans Bukow, vice president for product development, said...

...the best place on the Internet to play and to bring people together." The TEN **software** will have Netscape **Navigator** embedded in it so that users can click back and forth between TEN and the...

21/3,K/78 (Item 9 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
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08295812 SUPPLIER NUMBER: 17767458 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Ventana launches Netscape Power Pack into Retail Channel; Ventana expects
another strong retail performance.

Business Wire, p11271192
Nov 27, 1995
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 695 LINE COUNT: 00072

Ventana is Netscape's exclusive retail affiliate for its line of Netscape **Navigator** and Netscape Power Pack **software** products. Netscape Power Pack has an estimated street price of \$39.95.

Netscape Power Pack...

...be listened to at high-quality (16-bit). QuickTime can be used with many Windows **applications**, including Netscape **Navigator** and Adobe Persuasion, and supports Windows MCI (Media Control Interface) and OLE (Object Linking and...

...gain exclusive access to an extensive collection of useful Web sites and newsgroups. Aim your **pointer** to <http://www.vmedia.com/pressclub>

CONTACT: Ventanta Comm. **Group**

Katy Dunn, 919/544-9404

Fax, 919/544-9472

kdunn@vmedia.com

or

Copithorne & Bellows...

21/3,K/79 (Item 10 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

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08226822 SUPPLIER NUMBER: 16028487 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Cracking the not-immediate dilemma. (choosing authoring software for CD-ROM publications) (includes related articles on authoring software and retrieval techniques)

Eichler-Martin, Katherine

CD-ROM Professional, v8, n1, p75(9)

Jan, 1995

ISSN: 1049-0833 LANGUAGE: English RECORD TYPE: Fulltext; Abstract

WORD COUNT: 5258 LINE COUNT: 00458

... of data is accomplished by predefining a set of user decision points that permit different **navigation** paths through the **application** .

Some multimedia applications are primarily oriented around static data types, but augmented with occasional links...long-term, rather than explicit tagging, manual link placement, or other techniques required to make **navigation** of the **application** easier. The answer may depend on the need for information reuse, or whether simultaneous hardcopy...files" was centralized, enabling the publisher to maintain consistent document appearance across widely scattered authoring **groups** . Once documents moved online, these cross references, figures, tables, **indexes** , glossaries, tables of contents, and other tags mapped nicely to software-generated hypertext links.

With...Search functionality does not rely on the placement of links, although most search and retrieval **software** also offers ample **navigation** features. Instead, the author (or database developer) builds either a search index of every word...

21/3,K/80 (Item 11 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

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08205154 SUPPLIER NUMBER: 17563059 (USE FORMAT 7 OR 9 FOR FULL TEXT)

The battle for the end user: business information comes to the desktop.

(includes related articles on end users, how to attract end users, Profound databases, the role of professional searchers and the Knowledge Index) (Cover Story)

Fletcher, Lloyd Alan

Searcher, v3, n8, p32(16)

Sep, 1995

DOCUMENT TYPE: Cover Story

ISSN: 1070-4795

LANGUAGE: English

RECORD TYPE: Fulltext

WORD COUNT: 13246 LINE COUNT: 01087

... to specify the underlying sources themselves. Straightforward menus rather than commands allow the user to **navigate** through and control the

system .

* Built-in intelligence: one cannot currently fully replace the expertise of a professional researcher, but...searches and offline research in specific industries. Take a leaf from the vendor strategy book: **segment -focus**.

End-Users Searching Is Nothing New:
Knowledge Index

Many businesspeople already use consumer online services to find information. CompuServe provides a very good...

21/3, K/81 (Item 12 from file: 148)

DIALOG(R) File 148:Gale Group Trade & Industry DB
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08204415 SUPPLIER NUMBER: 17289771 (USE FORMAT 7 OR 9 FOR FULL TEXT)
1995 buyer's guide and consultant directory. (library automation

products) (Buyers Guide) (Directory)

Computers in Libraries, v15, n7, p36(74)
July-August, 1995

DOCUMENT TYPE: Buyers Guide Directory ISSN: 1041-7915 LANGUAGE:
English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 35637 LINE COUNT: 03540

... the Guide includes several types of Internet-related products and services, such as client/server **software** , **navigation** browsers, and Internet access and accounts.

This year the Guide also includes a listing for...SIRSI
SWLI, Inc. MultiMedia Products Div.

Total Knowledge Mngmnt. Software

VIS Consultants

VTLS, Inc.

Winnebago **Software** Company
Internet **Navigation** /Browsers

Alexandria-COMPAnion

Auto-Graphics, Inc.

CARL Corporation

COMSPEC

Creative Friendly Technologies

Cuadra Associates

Endeavor...management software /IMUO

image retrieval /IMUO

imaging equipment/devices /IMU

imaging systems /IMUO

integrated systems **software** /UO

Internet access/accounts

Internet **navigation** /browsers /UO

Internetworking (hardware connections)

inventory /IMUO

large print display /IUO

MARC record formatting /IMUO...IU

image retrieval /IU

imaging systems /IU

indexing/abstracting /U

information management /U

integrated systems **software** /U

interlibrary loan /U

Internet **navigation** /browsers /U

inventory /U

MARC record formatting /U

memory chips (RAM) /U
minicomputers /U
modems...image management software /IU
image retrieval /IU
imaging systems /IU
indexing/abstracting /IU
integrated systems **software** /IU
interlibrary loan /IU
Internet **navigation** /browsers /IU
MARC record formatting /IU
online catalog/OPAC /IU
retrospective conversion /IU
serials management...I/I
imaging systems I/I
indexing/abstracting I/IUO
information management I/IUO
integrated **systems** **software** I/IUO
Internet **navigation** /browsers I/IU
inventory I/IUO
MARC record formatting I/IUO
online catalog/OPAC I...

...IM/IMU
imaging systems IM/IMU
indexing/abstracting IM/IMU
information management IM/IMU
integrated **systems** **software** IM/IMU
Internet **navigation** /browsers IM/IMU
LAN--turnkey **systems** IM/IMU
MARC record formatting IM/IMU
memory/perfomance enhacement IM/IMU
OCR (optical char...disk/tape) IO/IUO
full text searching IO/IUO
graphical user interface IO/IUO
integrated **systems** **software** IO/IUO
Internet **navigation** /browsers IO/IUO
large print display IO/IUO
mapping software IO/IUO
online catalog/OPAC...software I/I
graphical user interface I/I
graphics I/I
hypertext I/I
imaging **systems** I/I
Internet **navigation** /browsers I/I
multimedia production I/I
OCLC, Inc.
bibliography generation /I
catalog card/label...management software I/
image retrieval I/
imaging equipment/devices IM/
imaging systems I/
integrated systems **software** I/
interlibrary loan I/
Internet **navigation** /browsers IM/
joysticks IM/
keyboards IM/
LAN statistics/management I/
LAN systems software IM/
LAN...I/
consulting (technology)

document delivery
full text searching I/
hypertext I/
information management I/
Internet navigation /browsers I/
 programming language IMO/
text editing IMO/IMU
word processing IMO/IMU
word processing enhancement IMO/IMU...on CD-ROM
MacMillan Library Reference
Author/Editor
SoftQuad Inc.
Author/Editor
DOCUMENSA
Automated Archives Indexes
Ameritech Library Services/GeneSys Division
Automated Library System (ALS) ver. 4.11
Foundation for Library Research, Inc.
Avant Cards
Avant...Ltd.
Infopump
Library Co-Op, Inc./Laird Consulting
Informart CustomSearch
Infomart Dialog Ltd.
The Information Navigator
IME Systems , Inc.
The Information Navigator
SWLI, Inc.
Inmagic dbText for Windows
Phipps & Associates
INMAGIC Plus
InMagic Inc.
INMAGIC Plus for...

21/3,K/82 (Item 13 from file: 148)
DIALOG(R) File 148:Gale Group Trade & Industry DB
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08098612 SUPPLIER NUMBER: 17277365 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Ashtech's precise move. (Global Positioning System marketing strategy)
Wirbel, Loring
Electronic Engineering Times, n860, p31(2)
August 7, 1995
ISSN: 0192-1541 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 950 LINE COUNT: 00082

TEXT:

...of the hottest growth areas in mobile communications. Because GPS transceivers provide 3-D locational information with tight time and space accuracy, companies such as Rockwell Telecommunications, Trimble Navigation and Magellan Systems have found heavy interest in GPS integration within PDAs, cellular phones and auto modules for...

21/3,K/83 (Item 14 from file: 148)
DIALOG(R) File 148:Gale Group Trade & Industry DB
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07812939 SUPPLIER NUMBER: 16838716 (USE FORMAT 7 OR 9 FOR FULL TEXT)

File indexing software: finding the right words. (DT Software's dSearch 3.0, Odyssey Development's Isys 4.0, Personal Library Software's Personal Librarian 4.1 and ZyLab's ZyImage 3.0) (includes related articles on product results and test methods) (Software Review) (Evaluation)

Marshall, Patrick; Gale, Bob
InfoWorld, v17, n16, p68(10)
April 17, 1995

DOCUMENT TYPE: Evaluation ISSN: 0199-6649 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 14781 LINE COUNT: 01130

... yet don't need to be converted into electronic documents with extensive cross-referencing and **navigation** tools. Moreover, file indexing **software** requires little preparation on the user's part, as well as little administration or maintenance...87 Isys is easy to install and very customizable. Only its failure to report disk **space** held down the score.

Index creation (125) Very Good 93.75 Thanks to a setup Wizard, indexing doesn't get...specify file extensions to include or exclude. You can also choose to compress the entire **index**, a process that both saves disk **space** and speeds searches. The Add Documents to **Index** command lets you index additional files. If any of your source documents have changed, you...By default, Isys uses a "stop" list of 317 common words that it will not **index**, thus saving disk **space** and search time. The list is fully editable, and it only takes a click of...as eight of them at a time.

ZyImage does a fine job of conserving disk **space** by compressing its **indexes**. In most cases, you can expect **indexes** to be only about one-third the size of the files you index. The index...of excellent.

Capacity

In this category, we scored both how much data a program could **index** and how well it conserved disk **space** by compressing the **indexes** it created.

Programs that both offered tight index compression and supported an unlimited or unusually...

21/3,K/84 (Item 15 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

07806819 SUPPLIER NUMBER: 16774038 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Now featuring...movie databases; Part II the software. (includes related article on interfaces)
Jacso, Peter; Tiszai, Judit
Database, v18, n2, p29(9)
April-May, 1995
ISSN: 0162-4105 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 4963 LINE COUNT: 00380

... help file itself?). For the overall design we evaluated the aesthetic aspects, the ease of **navigation**, and the intuitiveness of the **software**. Software that feature context-sensitive help messages, visual aids, illustrative examples, and outline format with...

...searches are preferred over systems that offer only one-directional option lists or command mode. **Software** that allow **navigation** through mouse clicks, function keys, and directional keys are superior to those that insist on...title and descriptor fields deserve their own field-specific browsable index instead of the basic **index**. Except for hyperlinking and marking text **segments** for printing or down-loading, DIALOG has first class search and output capabilities including user...or

edit it, but you can save it onto a disk. This database - without any **index** - demands 11MB of precious hard disk **space**. We found it undeserving of even a single byte.

Mad About Movies (\$40)

A user...

21/3,K/85 (Item 16 from file: 148)

DIALOG(R) File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

07751017 SUPPLIER NUMBER: 16677457 (USE FORMAT 7 OR 9 FOR FULL TEXT)
NAVIGATO ANNOUNCES CONTRACT WITH BUDSTIKKEN FOR FMS-200 FLEET MANAGEMENT SYSTEM

PR Newswire, p0320NE018

March 20, 1995

LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

WORD COUNT: 327 LINE COUNT: 00028

... based PC dispatch system. In mobile operation, the system works together with a mobile communication **link** such as a radio, cellular phone or satellite transceiver and provides vehicle **location**, Computer Aided Dispatch, **parcel** -and vehicle-tracking odometer reading, and control of other on-board functions such as refrigeration...

21/3,K/86 (Item 17 from file: 148)

DIALOG(R) File 148:Gale Group Trade & Industry DB
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07715541 SUPPLIER NUMBER: 16737155 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Time to get online? (commercial online services) (H P In Control) (Column)

Kane, Les A.

Hydrocarbon Processing, v74, n2, p21(1)

Feb, 1995

DOCUMENT TYPE: Column ISSN: 0018-8190 LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT

WORD COUNT: 800 LINE COUNT: 00065

... software. It's not necessary, but it is a much faster and easier way to **navigate** the **system**. After log-on you're presented with a menu of "Headline News." Selections include: PCs...

...Trade Shows Online, Industry Report, Used Equipment, Career Opportunities, World's Best Shareware, ANN Stock **Index** and even Major Sports Schedules.

The user **group** selection has a lot of information on instrumentation and control. Bulletin boards exist for several...

21/3,K/87 (Item 18 from file: 148)

DIALOG(R) File 148:Gale Group Trade & Industry DB
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06793348 SUPPLIER NUMBER: 14904759 (USE FORMAT 7 OR 9 FOR FULL TEXT)
IT services company profiles. (Industry Overview)

Computer Industry Report, v29, n1-2, p4(12)

Nov 26, 1993

DOCUMENT TYPE: Industry Overview ISSN: 0889-082X LANGUAGE:
ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 5612 LINE COUNT: 00488

... market segments via acquisition. Its commercial U.S. business was built largely through acquisition (the **Index Group**). Its worldwide expansion continues to be fed by acquisition. CSC typically leaves management intact and...to attack that segment. Software development tools play an integral role in that strategy. The **Navigator systems** development methodology, an automated tool for planning, designing, and building information systems, is integrated with...

21/3,K/88 (Item 19 from file: 148)
DIALOG(R) File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

06703405 SUPPLIER NUMBER: 14199474 (USE FORMAT 7 OR 9 FOR FULL TEXT)
The battle commences. (1993 aerospace industry ranking of top 100 firms
based on 1992 data) (Top 100)

O'Toole, Kevin
Flight International, v144, n4381, p36(8)
August 4, 1993
ISSN: 0015-3710 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 4455 LINE COUNT: 01115

...	Avio	1,008	5.9%	4,706	948,423
	TOTAL		25,182		
	OC&C FLIGHT INDEX	- TOP 100	(Part 1 of 10)		
	Rank Company		Division	Country Aerospace	
1	BOEING		COMMERCIAL TRANSPORT	Sales \$m	
			DEFENCE & SPACE	USA	29,562
2	MCDONNELL...				

...201

		AIRCRAFT MANUFACTURING	
		SPACE	
30	BOMBARDIER *12, 45		CAN 2,147
		DEFENCE	
		AEROSPACE	
31	E- SYSTEMS *25		USA 2,095
		NAVIGATION & CONTROLS	
		AIRCRAFT MOD & MAINT	
		COMND, CONTROL & COMMS.	
		RECON. & SURVEILLANCE	
32	TEXAS INSTRUMENTS		USA 2,004

21/3,K/89 (Item 20 from file: 148)
DIALOG(R) File 148:Gale Group Trade & Industry DB
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05897675 SUPPLIER NUMBER: 12231736 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Gyroscope allows 3-D motion sensing for robotics and desktop computers.
(Gyration Inc.'s Gyropoint pointing device) (three-dimensional
graphics) (Electro '92 Show Guide & Product Spotlight supplement) (Product
Update) (Product Announcement)

Quinnell, Richard A.
EDN, v37, n10, pS100(1)

May 7, 1992

DOCUMENT TYPE: Product Announcement ISSN: 0012-7515 LANGUAGE:
ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 525 LINE COUNT: 00040

... it's a mouse with wings. Instead of being confined to a flat surface, the **pointer** works in unrestricted free **space** and allows you three degrees of freedom. If you're using it in its mouse...

...be a demonstration vehicle for the Gyroengine. The engine suits a range of motion-sensing **applications**. Electronic **navigation**, robotic arm movement, and platform stabilization are among the possibilities. A developer's kit that...

21/3,K/90 (Item 21 from file: 148)
DIALOG(R) File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

05592946 SUPPLIER NUMBER: 12399671 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Manufacturers. (laser industry) (The 1992 Buyers Guide) (Directory)
Laser Focus World, v27, nSPEISS, p746(155)
Dec 15, 1991
DOCUMENT TYPE: Directory ISSN: 0740-2511 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT
WORD COUNT: 139277 LINE COUNT: 11434

... new product offerings. Also, custom solutions of imaging problems are available through the industrial System **Division**.
Directed Light Inc, 1270 Lawrence Station Rd, Suite A, Sunnyvale, CA 94089; 408-745-7300...

21/3,K/91 (Item 22 from file: 148)
DIALOG(R) File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

05590794 SUPPLIER NUMBER: 11796705 (USE FORMAT 7 OR 9 FOR FULL TEXT)
End-user searching: program review and future prospects.
Barbuto, Domenica M.; Cevallos, Elena E.
RQ, v31, n2, p214(14)
Winter, 1991
CODEN: RQRQAQ ISSN: 0033-7072 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 5758 LINE COUNT: 00490

... online services in 1986. The first services made available were the Dow Jones News/Retrieval **system** and Market **Navigator**, a sophisticated stock-quotation analysis **program**, which was discontinued by the supplier in 1989. The university's School of Business provided...ROM workstations on a local area network may well contribute to or worsen existing library **space** problems. The removal/discard of the printed versions of **indexes** and abstracts covered by CD-ROM databases will not necessarily translate into space for workstations...

21/3,K/92 (Item 23 from file: 148)
DIALOG(R) File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

05590790 SUPPLIER NUMBER: 11796371 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Reference research questions. (Current Issues)
Rettig, James
RQ, v31, n2, p167(8)
Winter, 1991
CODEN: RQRQAQ ISSN: 0033-7072 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 5135 LINE COUNT: 00405

... consistent ways. And, for more than a century, we have offered library users assistance in navigating these systems to reach their desired destinations. Through our mastery of the body of knowledge about bibliographic...will receive the most use? For example, some libraries that have adopted those awkward, inefficient, space-hogging pieces of furniture known as index tables have run out of room to house periodical indexes on those tables. A common response to this space crunch has been to take the less frequently used indexes (generally identified impressionistically rather than through any type of quantitative measure) and to integrate them...

21/3,K/93 (Item 24 from file: 148)
DIALOG(R) File 148:Gale Group Trade & Industry DB
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05578679 SUPPLIER NUMBER: 11716490 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Gyroscope allows 3-D motion sensing for robotics and desktop computers.
(Gyration Inc.'s Gryopoint pointing device) (Product Update) (Product Announcement)
Quinnell, Richard A.
EDN, v36, n23, p120(1)
Nov 7, 1991
DOCUMENT TYPE: Product Announcement ISSN: 0012-7515 LANGUAGE:
ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 547 LINE COUNT: 00042

... it's a mouse with wings. Instead of being confined to a flat surface, the pointer works in unrestricted free space and allows you three degrees of freedom. If you're using it in its mouse...

...be a demonstration vehicle for the Gyroengine. The engine suits a range of motion-sensing applications. Electronic navigation, robotic arm movement, and platform stabilization are among the possibilities. A developer's kit that...

21/3,K/94 (Item 25 from file: 148)
DIALOG(R) File 148:Gale Group Trade & Industry DB
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05577909 SUPPLIER NUMBER: 11782901 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Unmanned vehicles go to war; military robots, though not the killing machines of science fiction, have proven their mettle in Desert Storm.
(Military R&D)
Courtright, Michael L.
Machine Design, v63, n25, p60(5)
Dec 12, 1991
ISSN: 0024-9114 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 1745 LINE COUNT: 00143

... from Desert Storm.

Pointer UAVs were among the first equipment deployed when the 82nd Airborne Division arrived in Saudi Arabia. At peak buildup, there were five Pointer and six Pioneer deployment systems, two on battleships, three with Marine Corps companies, and one...

...Most of the subsystems comprise off-the-shelf components such as commercial video cameras and navigation systems. JPO officials claim that using proven technology reduces cost, risk, and time needed to get... eased by processing data on the vehicle rather than transmitting it raw.

* The Global Positioning System (GPS) and inertial navigational systems function much the same for unmanned vehicles as they do for manned counterparts. These will...

21/3,K/95 (Item 26 from file: 148)

DIALOG(R) File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

05558069 SUPPLIER NUMBER: 11608327 (USE FORMAT 7 OR 9 FOR FULL TEXT)
The meeting place. (cockpit design in jet transports)

Learmont, David; Moxon, Julian
Flight International, v140, n4295, p25(4)
Nov 27, 1991
ISSN: 0015-3710 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 3467 LINE COUNT: 00269

... in adjacent columns and the secondary columns to the left and right of the primary group. As regards the dial displays, centre-pivoted pointers were found far more effective than cursors.

Boeing has not reacted to the IAM findings...skill.

The first significant reduction in pilot workload came with the introduction of simple inertial navigation systems which could be linked to the autopilot. This heralded an era of systems integration that

...

21/3,K/96 (Item 27 from file: 148)

DIALOG(R) File 148:Gale Group Trade & Industry DB
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05512381 SUPPLIER NUMBER: 11565009 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Bibliographic software update. (Reviews/Product Tests)

Lundein, Gerald
Database, v14, n6, p57(11)
Dec, 1991
DOCUMENT TYPE: evaluation ISSN: 0162-4105 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT
WORD COUNT: 8423 LINE COUNT: 00653

... Indexing has its own costs of course. There is the additional storage overhead for the index files, which can amount to more than the space needed for the original data. Then there is the processing time for maintaining the indexes...month.

User Interface

The program is menu driven. The options are logically arranged and the system fairly easy to navigate in without recourse to the documentation. Choices are selected by entering the first letter of...of only eight index fields per database. If the user wants to spend the disk space and processing time to support additional indexes this should be

possible. This limitation would be more serious if the searching of non... searches. To view or list search results a specific set is loaded to the active **group**.

The keyword **index** may be popped up and browsed by pressing the <F2> function key and typing a...

21/3,K/97 (Item 28 from file: 148)

DIALOG(R) File 148:Gale Group Trade & Industry DB
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05193017 SUPPLIER NUMBER: 10903814 (USE FORMAT 7 OR 9 FOR FULL TEXT)
World IT sales grow 8.9% to \$278.5B; North America hits \$184.7B. (the top 100 revenue earners in the information technology industry) (includes related profiles of the Datamation 100 companies) (Cover Story)

Kelly, Joseph

Datamation, v37, n12, p10(53)

June 15, 1991

DOCUMENT TYPE: Cover Story ISSN: 1062-8363 LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 46795 LINE COUNT: 03697

... also wants to leverage the consulting expertise of such units as Cambridge, Mass.-based **Index Group Inc.**

CSC last year nailed three contracts that, it says, show the synergies are working. For...

...system for eyeglass retailer Pearle Inc., and specialty steel maker Weirton Steel Corp. hired **Index Group** to develop an integrated manufacturing information system.

"I'm not easily satisfied, but I'm pleased...transportation, utilities, retail, finance, insurance and health care.

In june, Ernst & Young announced the **Navigator System Series** service, a comprehensive methodology for building information systems. The Naxigator System comprises design, implementation and...

...documentation and consulting services for developing large-scale systems. Although not a computer-aided software **engineering** tool, Navigator **works** with CASE products, such as the Information Engineering Workbench set of tools from KnowledgeWare Inc., an Ernst & Young subsidiary. Navigator is also compliant with IBM's AD/Cycle CASE system.

" **Navigator** has gotten a very strong reception-it is in place in over 50 sites at Fortune...planning functions of such market research firms as Arthur D. Little Inc., the Gartner Group Inc., and Index Technology Corp.

One of the major projects now under way at the center is the Integration...

21/3,K/98 (Item 29 from file: 148)

DIALOG(R) File 148:Gale Group Trade & Industry DB
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05122026 SUPPLIER NUMBER: 10486009 (USE FORMAT 7 OR 9 FOR FULL TEXT)
IVHS. (Intelligent Vehicle Highway Systems; includes related articles on specific products)

Automotive Engineering, v99, n3, p13(8)

March, 1991

ISSN: 0098-2571 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 3831 LINE COUNT: 00321

... advised of available parking lots, pricing, remaining lot capacity, and even reserve a parking lot **space** . Police and service station **locations** could be broadcast along with tourist **information** and even **information** on local shops and restaurants.

There are still other uses for a two-way communication...

21/3,K/99 (Item 30 from file: 148)
DIALOG(R) File 148:Gale Group Trade & Industry DB
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05101048 SUPPLIER NUMBER: 10440096 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Sumitomo Electric Industries to join US group developing standards for car navigation systems.
COMLINE: Telecommunications Industry of Japan, CTE910219001
Feb 19, 1991
LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 153 LINE COUNT: 00012

... area conform to US standards. The firm aims to develop the US market for car **navigation** and traffic **information systems** , when such systems are introduced, so as not to be over-dependent on the Japanese...

21/3,K/100 (Item 31 from file: 148)
DIALOG(R) File 148:Gale Group Trade & Industry DB
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04858723 SUPPLIER NUMBER: 09582947 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Executive support systems. (special section on end-user computing)
Robinson, Mark
Information Executive, v3, n4, p34(3)
Fall, 1990
ISSN: 1041-9098 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 2562 LINE COUNT: 00219

... the support system (Keene, 1979). The design team should be careful to provide for easy **navigation** through the **system** . A mouse should be used to select applications and define choice lists with a minimum...s understanding of the business and motivate people in pursuing the mission of the corporation (**Index Group** , 1988). The challenges for the system designer to accomplish these objectives are wide-ranging. The...

...Peter, "Decision Support Systems and Marginal Economics of Effort," CISR Working Paper, Sloan, 1979.

[7] **Index Group** , Inc., Indications, Sept. 1988.

[8] Rockart, John, "Chief Executives Define Their Own Data Needs," Harvard...

21/3,K/101 (Item 32 from file: 148)
DIALOG(R) File 148:Gale Group Trade & Industry DB
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04779516 SUPPLIER NUMBER: 08660984 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Prompt and Dragnet: Windows-based dynamic duo for organizing text and searching. (Software Review) (Access Softek Prompt, Dragnet utilities for Microsoft Windows) (evaluation)
Simon, Barry

PC Magazine, v9, n14, p38(1)

August, 1990

DOCUMENT TYPE: evaluation ISSN: 0888-8507

LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 919 LINE COUNT: 00069

...ABSTRACT: text searching program that can search single directories, directory tree branches, entire drives, or file **spaces** with Boolean queries. It does not **index** the user's disk, but is only slightly slower than such high-end file **navigation programs** as Lotus Magellan.

21/3,K/102 (Item 33 from file: 148)

DIALOG(R) File 148:Gale Group Trade & Industry DB
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04600090 SUPPLIER NUMBER: 08491118 (USE FORMAT 7 OR 9 FOR FULL TEXT)

For computer makers, service is the soul of the new machine. (contracting out repair, training, software support services; includes related article)

Smith, Dawn

Adweek's Marketing Week, v31, n21, p20(4)
May 21, 1990

ISSN: 0892-8274 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT

WORD COUNT: 2582 LINE COUNT: 00205

... IBM's national service division, flew to the area the day after the tremor to **meet** with customers such as the Charles Schwab & Co. brokerage firm, laundry product manufacturer Clorox Co. and shipping company Matson **Navigation** Co. And IBM sent **systems** engineers to the Bay Area to help any other customers who might have been affected...

21/3,K/103 (Item 34 from file: 148)

DIALOG(R) File 148:Gale Group Trade & Industry DB
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04599953 SUPPLIER NUMBER: 09083985 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Data fusion: the process of C3I. (command, control, communications and intelligence) (column)

White, Franklin E.; Llinas, James
Defense Electronics, v22, n6, p77(5)
June, 1990

DOCUMENT TYPE: column ISSN: 0278-3479 LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT

WORD COUNT: 3462 LINE COUNT: 00288

... critical areas that the JDL subpanel feels is neglected; developing databases for the creation of **data** fusion tools and databases and methodologies for performing tests and evaluates. An Army **group** is also working in this **area** under the multisensor fusion demonstrator program, where they are developing a calibrated, multisensor, multispectral ground ...

21/3,K/104 (Item 35 from file: 148)

DIALOG(R) File 148:Gale Group Trade & Industry DB
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04575684 SUPPLIER NUMBER: 08525804 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Rockwell International repositions its defense electronics divisions by market and technical strengths.

PR Newswire, 0607LA001

June 7, 1990

LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 542 LINE COUNT: 00053

... manager. This division also is headquartered in Cedar Rapids, Iowa. Business areas include: communications and **navigation systems**; integrated cockpit and flight management systems; and command and control **data links**.

Rockwell International is a \$12 billion multi-industry company applying advanced technology to a wide...

21/3,K/105 (Item 36 from file: 148)

DIALOG(R) File 148:Gale Group Trade & Industry DB
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04540105 SUPPLIER NUMBER: 08209578 (USE FORMAT 7 OR 9 FOR FULL TEXT)
The corporate BBS. (bulletin board systems become time- and money-saving tools for businesses)

Lockwood, Russ

Personal Computing, v14, n3, p62(6)

March 20, 1990

ISSN: 0192-5490 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 2464 LINE COUNT: 00189

... it easy for employees to navigate through the system, and you can set aside certain **areas** of the BBS-called special-interest **groups**, or SIGs-for employees with particular **areas** of interest. A sales department may want its own niche to trade tips, or the marketing department may want to pass **information** back and forth. For security reasons, you'll also want to specify what level of...

21/3,K/106 (Item 37 from file: 148)

DIALOG(R) File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

03900354 SUPPLIER NUMBER: 07173620 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Changing roles in corporate America; IS managers getting active in business side. (Information Systems)

Kay, Emily

MacWEEK, v3, n13, p28(2)

March 28, 1989

ISSN: 0892-8118 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1441 LINE COUNT: 00119

... of Softouch software Inc., a software developer in Portland, Ore., that sells two HyperCard-based **software** tools-- **Systems** Planning **Navigator** and Executive Information **Systems** Explorer--aimed at overcoming the communication rift between the two worlds.

Other management specialists agree...organizations believe that technology becomes a driving input to strategy," said Stanton, a principal with **Index Group** Inc., a Cambridge, Mass.-based management consulting company specializing in information technology." They don't...

21/3,K/107 (Item 38 from file: 148)

DIALOG(R) File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

03898329 SUPPLIER NUMBER: 07194244 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Physicians' desk reference on CD-ROM: quick access to drug information.
(compact disk)

Desmarais, Norman
Optical Information Systems, v9, n2, p74(7)
March-April, 1989
ISSN: 0886-5809 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 4063 LINE COUNT: 00316

... can be cleared from the screen without switching topics. This provides a quick way to **navigate** around lengthy articles. The **system** keeps track of the number of lines in each section and displays the cursor position...

...to permit locating items that the user may not find with any of the six **indices** (see Figure 3).

This program will find single words or **groups** of words (phrases). It is not case-sensitive, so the user can enter

21/3,K/108 (Item 39 from file: 148)
DIALOG(R) File 148:Gale Group Trade & Industry DB
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03864313 SUPPLIER NUMBER: 07085396 (USE FORMAT 7 OR 9 FOR FULL TEXT)
HyperDoc software assists with multimedia presentations. (integrated
development software) (product announcement)
Picarille, Lisa
PC Week, v6, n9, p21(2)
March 6, 1989
DOCUMENT TYPE: product announcement ISSN: 0740-1604 LANGUAGE:
ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 469 LINE COUNT: 00039

... should function, Davison explained.

The run-time version of HyperDoc provides users with an electronic **index**, or **navigator**, to the **application**. Users can click on an **area** and bring up additional **information**, and within that text users can continue to click on words for further explanations or...

21/3,K/109 (Item 40 from file: 148)
DIALOG(R) File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

03160639 SUPPLIER NUMBER: 04780660 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Singer Co. reports income from continuing operations for first quarter of
1987.
PR Newswire, NYPR8
April 27, 1987
LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 550 LINE COUNT: 00060

... and Navigation, Electronic Systems, Dalmo Victor, HRB, and Librascope divisions. Training systems consists of the **Link** Flight Simulation, **Link** Simulation Systems, SimuFlite, Allen, and Education divisions .

In the Electronic-mechanical products area, the motor products division increased revenues and earnings were due to a greater volume of power tool shipments to...

21/3, K/110 (Item 41 from file: 148)
DIALOG(R) File 148: Gale Group Trade & Industry DB
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02492119 SUPPLIER NUMBER: 04045052 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Suppliers address directory. (boating industry)
Boating Industry, v48, p5(41)
Dec, 1985
ISSN: 0006-5404 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 64171 LINE COUNT: 05465

... 6320 Chariotte Ave., Nashville, TN 37209 (vacuum cleaners) Michael Chuando, (615) 352-7970 Consult Advertisers **Index** for Location of Ad and Reader Service Number

Airex **Division**, See Torin Inc.

Airguide Instrument Company, 2210 W Wabansia Ave., Chicago, IL 60647 (compasses & instruments...Street, Ypsilanti, MI 48197 Canada (sailboat accessories) Donal Moore, president, (313) 483-4100 Consult Advertisers **Index** for Location of Ad and Reader Service Number

Amcor **Group** LTD, Amcor, Ltd., New York, NY (electrical insect killer & solar panels) Telex: 645178

Amcor, Ltd...marine propeller) Robert A. Steeber, director of sales, (516) 378-0470, Telex: 144550 Consult Advertisers **Index** for Location of Ad and Reader Service Number

Columbian **Group**, See Columbian Rope Company

Columbian Rope Company, (formerly Columbian Group), PO Box 270, Guntown, MS...fabrics & foam cushioning) Bill Howard, president, (716) 342-9720 (NY), (800) 438-0043 Consult Advertisers **Index** for Location of Ad

Hubbard Reader **Group** Ltd., See G. and M. Power Plant PLC

Harvey Hubbell Inc, Wiring Device Division, Harvey...

...See Trail Master Custom Trailers

II Morrow Inc., PO Box 13549, Salem, OR 97309 (electronic **navigation systems**) Ron Hardy, marine sales manager, (503) 581-8101, Telex: TWX 510 599 0110

IMTRA Corp...KS 66061 (lubricants & lubrication equipment) P.C. McKallagat, marketing manager, (913) 782-5800 Consult Advertisers **Index** for Location of Ad and Reader Service Number

Lubriplate **Division**, Fiske Brothers Refining Co., 129 Lockwood St., Newark, NJ 07105 (lubricating oils & greases) John F...Recreational Products Transportation, PO Box 4, Rte. 16, Mendon, MA 01756 (transportation, boat) Consult Advertisers **Index** for Location of Ad

Recticel Foam Corp., See Morristown **Division**

Red Dot Corporation, 495 Andover Pk. E, Seattle, WA 98188 (heaters) Randy Gardiner, sales manager...polishes, sealants) Mike Barnett, marketing director, (213) 923-0838, Telex: 364412 INTR 301 Consult Advertisers **Index** for Location of Ad and Reader Service Number

Seasquirt **Division**, VIP Marine Industries, Inc., 3798 Ravenswood Rd., Fort Lauderdale, FL 33312 (boats) Rosanne Gillis, (305)...Box 8778 Bridge-port, Conn 06601 (accessories) Bob Hawie, president, (203) 336-2700 Consult Advertisers **Index** for Location of Ad

Sohio-Carborundum, Fibers **Division**, Standard Oil of Ohio, PO Box 808, Niagara Falls, NY 14302 (insulation material & accessories) Gary...PO Box 92151, Los Angeles, CA 90009 (two-way radios) Ken Ungar, vice

president-marine group , (213) 532-5300, Telex: 677173 Consult Advertisers
Index for Location of Ad and Reader Service Number
Standard Motor Products, Inc., 37-18 Northern...

...St., Cleveland, OH 44102 (accessories) Gene Trescott, general sales
manager, (216) 281-8300 Consult Advertisers **Index** for Location of Ad and
Reader Service Number

Stanpat Marine **Division**, Sta-Mascorp., PO Box 791, Port Washington,
NY 11050

Star Brite Corporation, (formerly Star Brite...U.S. Laminating Corp.,
100 Wilbur Place, Bohemia, NY 11716 (516) 567-0300 Consult Advertisers
Index for Location of Ad

USM Corp., See Pop Fasteners **Division**

US Marine Corporation, 105 Marine Dr., Hartford, WI 53027 (outboard
motors) Ken L. Kaul, marketing...Box 5128, Cincinnati, OH 45205 John A.
Thompson, vice president, (513) 251-2426 Consult Advertisers **Index** for
Location of Ad and Reader Service Number

Wolverine Marine **Division**, PO Box 1307, Ypsilanti, MI 48197
(ladders) (313) 482-5946

Wood Mfg. Co., Inc., See...

...Marine Division, PO Box 6555, Cypress, CA 90630 (outboard motors) Ham
Hamberger, vice president, marine **division**, (714) 761-7609 Consult
Advertisers **Index** for Location of Ad and Reader Service Number

Yanmar Diesel Engine (USA) Inc, 1424 North...

213,K/111 (Item 42 from file: 148)

DIALOG(R) File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

02319805 SUPPLIER NUMBER: 03628292 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Seventh annual marketing directory and buyers' guide; a valuable, easy
reference guide to defense electronics manufacturers, products and
services. (illustration)

Defense Electronics, v17, p58(84)
Feb, 1985

DOCUMENT TYPE: illustration ISSN: 0278-3479 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT
WORD COUNT: 49994 LINE COUNT: 04244

... computer systems, guidance and navigation systems and armament
systems for military and space applications. Delta **Data** Systems Corp.
1765 Business Center Dr. Reston, Va 22090 Robert A. Wainer 703-450-7300
Field Offices/ **Divisions** Federal Systems **Group** Western **Region** 3183-E
Airway Ave. Costa Mesa, CA 92626 Al Weitz 714-662-1838
Product Line...

213,K/112 (Item 1 from file: 160)

DIALOG(R) File 160:Gale Group PROMT(R)
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02181735
Nuovo sistema di navigazione via satellite
Europa Domani April, 1989 p. 21,22
Language: Italian

... locate the position of terrestrial, sea-borne and air-borne units.
The GPS 9000 is linked to the Navstar GPS **group** of satellites which

deals with geographic positioning. The GPS receiver is the most technologically advanced receiver on the market due to...

21/3,K/113 (Item 2 from file: 160)
DIALOG(R)File 160:Gale Group PROMT(R)
(c) 1999 The Gale Group. All rts. reserv.

02132747
LAMPS Lights the Way to New Soviet Subs
Defense Electronics March, 1989 p. 62-67
ISSN: 0278-3479

...99-channel sonobuoy receivers, an enhanced AN/AYK-14 computer, and a Mil-Std-1553B data bus. Also being developed is the SH-60F CV Helo, designed for use in the inner zone of aircraft carrier battle groups. It will have sonobuoys, a longer-range, active AQS-13F dipping sonar, and an integrated ASW mission suite that will include a Mil-Std-1553B data management system, dual AN/ASN-123 navigation computers, and an air-to-air data link.

The Navy is planning to spend \$1 bil in the next 10 years to develop...

21/3,K/114 (Item 3 from file: 160)
DIALOG(R)File 160:Gale Group PROMT(R)
(c) 1999 The Gale Group. All rts. reserv.

02076542
Etak Inc. Releases Interactive Software for Desktop Mapping
News Release October 21, 1988 p. 1

Etak Inc., leading developer of geographic information systems technology for fleet management, vehicle navigation and computer mapping applications, has announced a new software product. Geocoder is a desktop database management system that allows...

21/3,K/115 (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2004 The Gale Group. All rts. reserv.

02091759 SUPPLIER NUMBER: 19660289 (USE FORMAT 7 OR 9 FOR FULL TEXT)
A tale of two ODBMSs. (Object Design's ObjectStore 5.0 and POET Software's POET 4.0 object database management systems) (Software Review) (Evaluation)
House, Bill
Databased Web Advisor, v15, n8, p32(5)
August, 1997
DOCUMENT TYPE: Evaluation ISSN: 1090-6436 LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 3677 LINE COUNT: 00312

... cache. This "pay for the same real estate twice" approach can be quite costly in navigational, data-browsing applications, such as typical web apps..

In contrast, most ODBMSs (including the ones discussed here) provide ...immediately be allocated for not only the object's memory page, but for the entire segment and any pointers to other segments. This could cause inefficient memory usage on the server. Now, allocation can be made for...

21/3,K/116 (Item 2 from file: 275)
DIALOG(R) File 275:Gale Group Computer DB(TM)
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02084248 SUPPLIER NUMBER: 17860853 (USE FORMAT 7 OR 9 FOR FULL TEXT)
These are the headlines and first paragraphs of each story, in order:
Newsbytes, pNEW01250036
Jan 25, 1996
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 1593 LINE COUNT: 00134

... according to a report just issued by Schema.
6) World Clock Plug-In For Netscape Navigator -- Starfish Software Inc. has begun an online preview and download program for EarthTime as a plug-in...

...Update -- In this roundup of new and updated resources and services on the global Internet: Index to Vietnam; Digital highway report; Space resources index; Multilingual Internet glossary; US university science news; New York State Technology Association; GVU user survey...

21/3,K/117 (Item 3 from file: 275)
DIALOG(R) File 275:Gale Group Computer DB(TM)
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02041684 SUPPLIER NUMBER: 19111576 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Taming data giants. (Very large database implementations) (Technology Information)
Brobst, Stephen; Robertson, Owen
DBMS, v10, n2, p38(7)
Feb, 1997
ISSN: 1041-5173 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 3699 LINE COUNT: 00315

... data requirement resulted in a total database size of approximately 950GB once we considered the indices, multidimensional summary tables, result set tables, relational database overhead, sort space, and log space. In addition, working space in excess of 150GB was required for staging...for the information that will be available through this technology. By capturing keystrokes within the navigation system of the browsing program, it is possible to identify exactly which information has been accessed and the sequence in...

21/3,K/118 (Item 4 from file: 275)
DIALOG(R) File 275:Gale Group Computer DB(TM)
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02037539 SUPPLIER NUMBER: 19134562 (USE FORMAT 7 OR 9 FOR FULL TEXT)
1,001 best Internet tips. (descriptions of Internet products, services)
(Technology Information) (Technology Tutorial) (Tutorial)
PC/Computing, v10, n3, p116(31)
March, 1997
DOCUMENT TYPE: Tutorial ISSN: 0899-1847 LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 23319 LINE COUNT: 01785

... and click on the Use Current button. Quick Program Launcher Configure Quick Linksto launch any **program** you want. In the **Navigation** tab of the Options dialog box, type the full path name of the application in...of your keywords.

Navigator Cycle

You know how to Alt-Tab through open Windows 95 **applications** . If you have several Netscape **Navigator** windows open, use Ctrl-Tab to cycle through just open Navigator pages.Drop Desktop Shortcuts...WebAnimator Plug-in: www.deltapoint.com

Dimension X Liquid Reality: www.dimensionx.com/products/lr/index.html

DSP **Group** TrueSpeech: www.dspg.com/plugin.htm

Duplexx Software Net Toob Stream: www.nettoob.com/

EchoSpeech...

...www.ncompasslabs.com/

NCompass ScriptActive: www.ncompasslabs.com/

Netscape Live3D: home.netscape.com/comprod/products/navigator/live3d/download-live3d.html

Now **Software** AboutPeople: www.nowsoft.com/plugins/plugins.html

Omniview PhotoBubble: www.omniview.com/viewer.htm

Open2U...

21/3,K/119 (Item 5 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)
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01936707 SUPPLIER NUMBER: 18288976 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Collaborative computing. (eight workgroup packages reviewed) (includes

related article on intranets) (Software Review) (Evaluation)

Elliot, Elaine X.

Computer Shopper, v16, n6, p534(12)

June, 1996

DOCUMENT TYPE: Evaluation ISSN: 0886-0556 LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 8019 LINE COUNT: 00676

... head to head with titans such as Notes, Collabra Share offers good connectivity to two **software** stars--Microsoft Exchange and Netscape **Navigator** --and acts as a complement to both. For companies seeking a product that encourages clearly...the same message could conceivably eat up server disk space. Notes 4.0 offers a **space** -saving shared-mail database that each recipient can access via **pointers** . Remote users get access when they call in to replicate their databases.

New agent technology...

21/3,K/120 (Item 6 from file: 275)

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01925313 SUPPLIER NUMBER: 18182376 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Suite Harmony. (Microsoft Office for Windows 95, Lotus's SmartSuite 96

Edition for Windows 95 and Corel's Office Professional for Windows 95 are evaluated) (includes table of additional integrated software products and related articles on suite add-on products and office suite Internet support) (Software Review) (Evaluation)

Mendelson, Edward

Computer Shopper, v16, n5, p516(14)

May, 1996

DOCUMENT TYPE: Evaluation ISSN: 0886-0556 LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 7852 LINE COUNT: 00637

... part or all of Office, the setup program silently adds two programs to your Startup group : FindFast, which indexes files in the background so that Office's File/Open dialog boxes work more quickly...processor; Quattro Pro 7 spreadsheet; Presentations 7 presentation-graphics package; CorelFlow flow charter; Netscape's Navigator Web browser; Starfish Software 's Sidekick PIM and Dashboard program manager; and the Envoy 7 application that creates and...

21/3,K/121 (Item 7 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01914064 SUPPLIER NUMBER: 18106610 (USE FORMAT 7 OR 9 FOR FULL TEXT)
How Windows 95 savvy are you? (Windows 95 tips) (includes related tips on installation and configuration, desktop usage, games and online) (Product Support) (Tutorial)
Keizer, Greg
Computer Life, v3, n4, p44(8)
April, 1996
DOCUMENT TYPE: Tutorial ISSN: 1076-9862 LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 4177 LINE COUNT: 00316

... the Windows 95 desktop, and it uses the same sorts of tools you use to navigate the operating system . Microsoft's Internet Explorer Web browser and the Internet JumpStart Kit (for a simplified Internet...sizes, there's a way to uncover it with just two clicks.
* Move your mouse pointer to the Taskbar.
* Right-click on a blank space on the Taskbar.
* On the pop-up menu, left-click on Minimize All Windows to...

21/3,K/122 (Item 8 from file: 275)
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01888734 SUPPLIER NUMBER: 17979494 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Needles in document haystacks: text retrieval and management technologies come of age. (Desktop DBMS) (Product Information) (Column)
Spitzer, Tom
DBMS, v9, n1, p84(4)
Jan, 1996
DOCUMENT TYPE: Column ISSN: 1041-5173 LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 3790 LINE COUNT: 00313

... Topic Developers Kit Together they provide facilities for search, retrieval, and categorization of archived textual information , as well as real-time monitoring and filtering of incoming information such as news, alerts, or documents.

The Enterprise server indexes documents--regardless of their location or format--into a searchable Topic index , or "collection." The Topic Client is an attractive document navigation and browsing application whose key differentiating feature is agent technology. Topic

Client provides "intelligent agents" that act on...

...this category is a product called Concordance, from Dataflight Software.

A "concordance" is an alphabetical **index** of all the words in a text or **group** of texts, showing every contextual occurrence of a word. With the

21/3,K/123 (Item 9 from file: 275)

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01823509 SUPPLIER NUMBER: 17193577 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Interface-lift. (Microsoft's Windows 95 operating system) (Windows 95 supplement) (one of four articles about Windows 95's features in "Windows 95 walk-through")

Mendelson, Edward

Windows Sources, v3, n9, p134(4)

Sep, 1995

ISSN: 1065-9641 LANGUAGE: English RECORD TYPE: Fulltext; Abstract

WORD COUNT: 2091 LINE COUNT: 00159

... If you want the Taskbar to be almost invisible when you're working in an **application** or **navigating** the desktop, choose Auto-Hide from the Taskbar's Properties dialog. The Taskbar will then...

...desktop that you can move with the mouse. That includes Shortcuts to files or applications, **group** windows, Control Panel applets, printers, network connections, **pointers** to forums on the Microsoft Network, even scraps of text or graphics dragged from applications...

21/3,K/124 (Item 10 from file: 275)

DIALOG(R) File 275:Gale Group Computer DB(TM)
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01804827 SUPPLIER NUMBER: 17155740 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Tools and utilities. (1995 Database Buyer's Guide and client/server sourcebook) (Buyers Guide)

DBMS, v8, n6, p72(29)

May 15, 1995

DOCUMENT TYPE: Buyers Guide ISSN: 1041-5173 LANGUAGE: English

RECORD TYPE: Fulltext; Abstract

WORD COUNT: 45154 LINE COUNT: 03869

... user logins, set default languages, and grant and revoke permissions. \$695. Reader service #742.

SQL **Index** Inspector & DeadLock Predictor

The Development **Group** for Advanced Tech. Inc., Upper Saddle River,

NJ

201-825-9511

Identifies SQL statements not...conditions within areas of performance, user activity, security, and others. Looks at many aspects of **space** management, such as fragmentation, free tablespace, row chaining, and **index** suitability. Runs on Sun (OS 4 and Solaris), HP-UX, IBM/AIX, Sequent, DEC VAX...automatic sequence numbers; native operating system I/O utilization for maximum portability and performance; dynamic **space** reclamation; hashed data and **index** caching; multiple simultaneous sets/batches; resource records; and superfiles. Available for DOS (Microsoft C, Borland...multiple buttons. The Index Tabs control lets

programmers present several screens of data in the **space** of one screen, much like **index** cards. With labeled tabs presented in multiple rows, users can see which options are available...TabFolder Object creates the 3D tab folder interface or presentation style used in many Windows **applications** within PowerBuilder **applications**. Outline **Navigator** Object lets users build a File Manager interface or presentation style in PowerBuilder **applications**. PowerFrame's **Navigator** provides the ability to drill down through several levels of information, retrieve information from multiple...by related functionality. Modules may be purchased separately or in bundles. Available modules include: **Data Navigation**, **Data Management**, and **Application Utilities**. Runs on any PowerBuilder-compatible platform (Windows, Macintosh, and Unix). Unlimited development server license...

...embodies a standardized methodology for developing PowerBuilder applications. Promotes inheritance and provides a method for **navigational** control and security at the **application** level. Features include stored procedure support, intersheet communication, object-oriented class library, application template, tab...

21/3,K/125 (Item 11 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01804822 SUPPLIER NUMBER: 17155730 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Database servers and host DBMSs. (1995 Database Buyer's Guide and client/server sourcebook) (Buyers Guide)
DBMS, v8, n6, p44(5)
May 15, 1995
DOCUMENT TYPE: Buyers Guide ISSN: 1041-5173 LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 6941 LINE COUNT: 00613

... new applications with different and complex data types. The MicroKernal architecture allows both relational and **navigational** **applications** to access data concurrently. Reader service #436.

Solid Server 2.0
Solid Information Technology Ltd...

...meet these requirements by simply restarting the Dispatch Server with the needed number of Open **Spatial** Servers. A C-callable API includes access to **spatial indexes**, GeoSQL, template creation, and virtual-table management. Currently available on Sun Solaris with Sybase System... oriented, which may be combined to permit a single database to be accessed with efficient **navigational** or object-oriented **applications** and industry-standard SQL tools simultaneously. Scalable from standalone DOS and Windows systems to client...

21/3,K/126 (Item 12 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01804821 SUPPLIER NUMBER: 17155728 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Client/server and host app. development tools. (1995 Database Buyer's Guide and Client/Server Sourcebook) (Buyers Guide)
DBMS, v8, n6, p20(13)
May 15, 1995
DOCUMENT TYPE: Buyers Guide ISSN: 1041-5173 LANGUAGE: English

RECORD TYPE: Fulltext; Abstract
WORD COUNT: 20277 LINE COUNT: 01789

... top of either the Oracle or Sybase

DBMS and transforms the relational database into a **spatial** database via custom **spatial indexes**. In addition to the **spatial indexes**, the product contains a **spatial** -query language (GeoSQL) that provides a means to query data structures in a spatial manner...promotes consistent adherence to development standards. Features include a framework for developing multiple document interface **applications**, mechanisms for content-based **navigation**, a set of reusable graphical controls, a security object, added graphical controls (2D and 3D...).

21/3,K/127 (Item 13 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)
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01792732 SUPPLIER NUMBER: 16944939 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Multimedia source guide. (Supplement to T.H.E. Journal) (Buyers Guide)

T H E Journal (Technological Horizons In Education), v22, n10, pS1(64)
May, 1995

DOCUMENT TYPE: Buyers Guide ISSN: 0192-592X LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 37519 LINE COUNT: 03053

... landscapes MW o Other CD titles

Virtus Corp. WalkThrough Pro 2.0, 3D modeling, rendering & **navigation**
MW

Visual **Software**, Inc. Simply 3D, full set of 3D graphics tools plus tutorials for rendering, animations, etc...Integrated Multimedia Systems Communicator 3200AVS, real-time, interactive audio/video communications between students & instructors MD **NAVIGATOR**, a/v distribution **system** ; "don't just explain when you train- send it!"

IRIS Technologies Multimedia Video Commander (8...Co. P.O. Box 1055 Louisville, KY 40201 (502) 584-8505 (800) 247-1603

Vendor **Index**

3M Co. Imaging Systems **Division**

3M Center St. Paul, MN 55144 (800) 227-2547

3M Prerecorded Optical Media 3M Center...

21/3,K/128 (Item 14 from file: 275)

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01749760 SUPPLIER NUMBER: 16641843 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Basic windows. (Graphics Cards Up the Ante)

Plain, Stephen W.

Windows Sources, v00000003, n4, p124(7)

April, 1995

ISSN: 1065-9641 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 3586 LINE COUNT: 00273

... to fit on the screen at the current resolution. The active display extends into virtual **space** horizontally and/or vertically, and moving the mouse **pointer** to the extreme edge of the screen moves you into the expanded area. Using a virtual screen can be a handy way to maintain several open **application** windows under **Program** Manager or **navigate** a wide spreadsheet.

High-end offerings excel with 24-bit color
Though they span a...

21/3,K/129 (Item 15 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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>>>Accession number 1728232 is unavailable

21/3,K/130 (Item 16 from file: 275)
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01712842 SUPPLIER NUMBER: 16279058 (USE FORMAT 7 OR 9 FOR FULL TEXT)
The international character set conundrum: ANSI, Unicode, and Microsoft
Windows. (includes related articles on extending Unicode, programming
technique for DBCS strings, Han Unification)
Kano, Nadine; Freytag, Asmus
Microsoft Systems Journal, v9, n11, p55(12)
Nov, 1994
ISSN: 0889-9932 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 7287 LINE COUNT: 00581

... adopted. But until Unicode comes into more widespread use, it will still be necessary for **programmers** to **navigate** their way through a sea of character-encoding standards. In this article we will try...format that can be sorted and processed efficiently. This is especially beneficial for lists, database **indexes**, and name **spaces** such as network user names, filenames, and distributed object names. Local character sets are too...

21/3,K/131 (Item 17 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01702317 SUPPLIER NUMBER: 16241868 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Nexpo, II: electronic delivery, output, digital photography, image
databases. (report on Nexpo 1994 conference) (includes color photo insert
comparing image quality of output from four digital cameras)
Edwards, Stephen E.; Neeff, David; Rossello, Rosanne; Tribute, Andrew
Seybold Report on Publishing Systems, v23, n22, p3(55)
August 15, 1994
ISSN: 0736-7260 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 39427 LINE COUNT: 03014

... views based on events in the database.
Views into the database are set up within **Navigator** during the **system** setup; however, ad hoc queries for reports or real-time information won't be available...the text and viewfiles must be stored locally. Typically, 6,000 pages, which includes text, **index** and viewfiles, occupies 1.3 gb of **space**.

The price hasn't been set, but it will be less than \$20,000 for...

21/3,K/132 (Item 18 from file: 275)
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01688545 SUPPLIER NUMBER: 15356060 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Tools and utilities. (1994 Database Buyer's Guide and Client/Server Sourcebook) (Buyers Guide)

DBMS, v7, n6, p63(29)

June 15, 1994

DOCUMENT TYPE: Buyers Guide ISSN: 1041-5173 LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 46074 LINE COUNT: 03903

... definable by end users. Other functions include user-extendable help, online document notes, and a **navigate** function that interrupts an executing **program**, jumps to another application and then jumps back again. Pricing depends on platform and number...DB2 pagesets. Provides the ability to: optimize the use of DASD for DB2 data and **index spaces**; avoid performance problems due to multientent allocation; automate the task of allocating and moving databases...packing utility for FilePro databases that compresses filePro files, eliminating deleted records while rebuilding automatic **indexes**. The program increases efficiency by freeing up disk **space**. Supports all filePro versions through 4.1 on DOS only. Volume discount available. \$95.

PC...automatic sequence numbers; native operating system I/O utilization for maximum portability and performance; dynamic **space** reclamation; high-speed hashed data and **index** caching; multiple simultaneous sets/batches; resource records; and superfiles. Available for DOS (Microsoft C, Borland...).

21/3,K/133 (Item 19 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

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01674879 SUPPLIER NUMBER: 15068645 (USE FORMAT 7 OR 9 FOR FULL TEXT)
1994 market directory issue: more than 600 information technology company listings. (vendors of health technology-related products and services, organizations and events) (Directory)

Health Management Technology, v15, n3, p14(113)

Feb 15, 1994

DOCUMENT TYPE: Directory LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT;
ABSTRACT

WORD COUNT: 69033 LINE COUNT: 06228

... with up to 600 beds; Hospitals with over 600 beds; HMO/PPO/Managed Care; Clinics/ **Group** Practices Price Range: \$200,000 to \$300,000+ Product Name: Advantage, ASAP, Pathlab III Primary Application: Laboratory Information Systems Hardware/Operating System: Hewlett-Packard/MPE/IX; **Data General/MV**

Design, develop, install and support total laboratory information systems for hospitals, reffrence laboratories...

21/3,K/134 (Item 20 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

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01616597 SUPPLIER NUMBER: 13966523 (USE FORMAT 7 OR 9 FOR FULL TEXT)
The Windows Sources catalog. (catalog to software programs in nine categories) (Buyers Guide)

Windows Sources, v1, n6, p389(16)

July, 1993

DOCUMENT TYPE: Buyers Guide ISSN: 1065-9641 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 12590 LINE COUNT: 01070

... text and graphics. Allows unlimited number of fields, records, reports, and files based on disk **space**. Every field is variable-length and every entry is **indexed** for retrieval. Accesses files across network zones, with multiple levels of password protection.

IDB Object...makers direct point-and-click access to large volumes of corporate data. Allows user to **navigate** through data without pre-programmed views of scripts. Permits user to access and to analyze data from as many as...other mainstream applications. Includes Microsoft Excel EIS Builder that permits EIS developers to create custom **applications** without writing macros. Includes **navigation** controls, custom menus, and user-prompt dialog boxes. Includes video, sample applications, and EIS Development...

21/3,K/135 (Item 21 from file: 275)

DIALOG(R) File 275:Gale Group Computer DB(TM)
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01613921 SUPPLIER NUMBER: 13901763 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Tools and utilities. (software packages that help database developers prototype and design applications, query, and create help systems, among other uses) (1993 Database Buyer's Guide Special Issue) (Buyers Guide)

DBMS, v6, n7, p63(33)

June 15, 1993

DOCUMENT TYPE: Buyers Guide ISSN: 1041-5173 LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 45702 LINE COUNT: 03876

... Computer Associates International Inc., Islandia, NY 516-342-5224, 800-342-5224

Provides the maintenance **programmer** with COBOL-intelligent visualization and **navigation** facilities that boost productivity by reducing the time required to understand large, complex COBOL programs... definable by end users. Other functions include user-extendible help, online document notes, and a **navigate** function that interrupts a **program** that's running and jumps to another application and back again. Pricing depends on platform...filePro databases that compresses filePro files, eliminating the need to delete records and rebuild automatic **indexes**. The program increases efficiency by freeing up disk **space**. Packfile supports all filePro versions through 4.1 on DOS only. Volume discount available. \$95...

21/3,K/136 (Item 22 from file: 275)

DIALOG(R) File 275:Gale Group Computer DB(TM)
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01522633 SUPPLIER NUMBER: 12293444 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Group recovery: a common ailment among Windows users deserves a helping hand. (recovering group icons lost when upgrading from Windows 3.0 to Windows 3.1) (PC Tips) (column) (Tutorial)

Kehoe, Miles B.

HP Professional, v6, n6, p66(2)

June, 1992

DOCUMENT TYPE: Tutorial ISSN: 0896-145X LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 1205 LINE COUNT: 00086

... New from the File menu, and mark the Program Item button.
Using the Browse key, **navigate** into the **SYSTEM** directory within your Windows directory, and you should see the program SYSEDIT.EXE. Select it...

...use the Windows 3.0 File Manager to locate the file; and, using the mouse **pointer**, drag the executable filename into the appropriate Program manager **group**. This makes Windows very easy to use.

Startup Group

A major new feature in Windows...

21/3,K/137 (Item 23 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01522280 SUPPLIER NUMBER: 12335096 (USE FORMAT 7 OR 9 FOR FULL TEXT)
MacUser minifinders: 1001 Macintosh products. (Buyers Guide)
MacUser, v8, n8, p87(52)
August, 1992
DOCUMENT TYPE: Buyers Guide ISSN: 0884-0997 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 77991 LINE COUNT: 06173

... 485-7979. (Sept '90) [MF#913]

Voice Navigator II

This package includes sophisticated speech-recognition **software** and the elegant **Navigator**, a microphone and attached SCSI-interface box that digitizes sound into patterns the Mac can...90) [MF# 1065]

Reunion

This HyperCard stack is a good genealogy program. Supports GEDCOM. Includes **space** for adding digitized photos, an **index**, and a birthday file. Easy to use. Includes HyperCard. Version 1.5 reviewed. Version 3...

21/3,K/138 (Item 24 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01494366 SUPPLIER NUMBER: 11676038 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Installation, help, and documentation; getting started, getting unstuck.
(user information for installing and using word processors) (Applications Focus on Word Processors)
PC Sources, v3, n1, p485(1)
Jan, 1992
ISSN: 1052-6579 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 818 LINE COUNT: 00065

... the ability to install only portions of a program, skipping esoteric features or saving disk **space** .

* In Case of Emergency

The best programs offer alphabetically **indexed**, cross-referenced help screens, and some Windows programs let you get help with a command...

...and XyWrite have alphabetical lookups, and command and keystroke k help).

It's easy to **navigate** help topics in **programs** that follow the Windows 3.0 protocol--help screens topped by "Index," "Back," and "Search" ...

21/3,K/139 (Item 25 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01451271 SUPPLIER NUMBER: 11384771 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Japan to develop car navigation systems. (Ministry of Construction)
Miyazawa, Masayuki
Newsbytes, NEW10110008
Oct 11, 1991
LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 263 LINE COUNT: 00021

... a unified system in the future.

Currently, private firms including Pioneer Electric, are marketing car navigation systems, which provide location information using U.S. military space satellites. Such systems cost 300,000 yen (\$2,200) to 600,000 yen (\$4,400...).

21/3,K/140 (Item 26 from file: 275)
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01444320 SUPPLIER NUMBER: 11074751 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Windows basics: this quick hands-on tutorial gives you what you need to know to negotiate any Windows application. (Special Report: Lotus Goes Graphical) (Tutorial) (Cover Story)
Roshfeld, Larry; Sharon, Phyllis A.
Lotus, v7, n6, p47(4)
June, 1991
DOCUMENT TYPE: Cover Story ISSN: 8756-7334 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 2601 LINE COUNT: 00188

... Windows. This brief tutorial will get you started. You'll learn how to open Windows applications; navigate menus, dialog boxes, and multiple windows; use the Write, Paintbrush, and Clipboard programs; and in ...

...CLICK AND RUN

Suppose you want to look at the applications in the Accessories program group. Double-click the Accessories icon by positioning the mouse pointer on the icon and rapidly pressing the left mouse button twice. A new window, called...

21/3,K/141 (Item 27 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01439758 SUPPLIER NUMBER: 10957512 (USE FORMAT 7 OR 9 FOR FULL TEXT)
MiniFinders. (buyer's guide to Apple Macintosh hardware and software)
(buyers guide)
MacUser, v7, n8, p135(49)
August, 1991
DOCUMENT TYPE: buyers guide ISSN: 0884-0997 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT
WORD COUNT: 80288 LINE COUNT: 06476

... 30 server. Good performance as client. Good diagnostics. Requires Mac SE/30. \$449. EMAC (Everex **Systems**), 48431 Milmont Dr., Fremont, CA 94538. (800) 821-0806 or (415) 498-1111. (Jun '90...Ventures, Inc., 2907 Claremont Ave., Berkeley, CA 94705. (415) 644-3232. (June '90) * '86 Eddy **Navigator** 4

Navigator is a custom **application** that provides an interface and telecommunications links for the popular CIS. Designed primarily as an...4 1/2

Reunion is a good genealogy program. HyperCard-based. Supports GEDCOM. Includes space **for** adding digitized photos, an index, **and** a birthday file. A complex program with an excellent manual. Easy to use. Version 1...

21/3,K/142 (Item 28 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)
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01428679 SUPPLIER NUMBER: 10625032 (USE FORMAT 7 OR 9 FOR FULL TEXT)
A new Smalltalk. (Objectworks/Smalltalk Release 4 from ParcPlace Systems)
(Software Review) (evaluation)

Cook, Steve

EXE, v5, n8, p43(4)

Feb, 1991

DOCUMENT TYPE: evaluation ISSN: 0268-6872 LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 3434 LINE COUNT: 00264

... programming tools in Release 4 are just as they were in the earlier system. The **system** browser is used for **navigating** around the class hierarchy, reading, creating and editing code. The workspace is used for saving...Smalltalk can refer to anything except a valid object, and when there are no more **pointers** to an object its **space** is reclaimed. Release 2.5 was pretty sophisticated at managing its memory, and Release 4...

21/3,K/143 (Item 29 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)
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01379004 SUPPLIER NUMBER: 09590125 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Programming language/micro. (The Third Side) (tutorial)

Jones, Ray

EXE, v5, n4, p64(3)

Sept, 1990

DOCUMENT TYPE: tutorial ISSN: 0268-6872 LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT

WORD COUNT: 1798 LINE COUNT: 00135

...ABSTRACT: into 16-bit selectors and 16-bit offsets. The selector data type usually holds a **segment** address. The BUILD\$PTR function creates a **pointer** by combining a selector and a word data type. PL/M also includes functions to...

... embedded systems might be a car engine management system, an Ethernet card, or a satellite **navigation system**).

But I have not let a minor inconvenience like no I/O deter me; I... performed.

There is Also a SELECTOR variable type. This is used in the construction of **pointers**, and is normally used to hold a **segment** address. The selector of a particular entity may be found with the built-in

function...

21/3,K/144 (Item 30 from file: 275)
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01372861 SUPPLIER NUMBER: 08753194 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Physical design equivalencies in database conversion. (converting from
navigational to relational databases) (technical)
Gillenson, Mark L.
Communications of the ACM, v33, n8, p120(12)
August, 1990
DOCUMENT TYPE: technical ISSN: 0001-0782 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 8992 LINE COUNT: 00701

... and network models of data storage. These, as a class, came to be known as **navigational systems** because of the way **programmers** would move through the data structures in search of their target data. The relational database...

...of the relational systems was performance. Indeed, performance has always been a serious consideration in **application** development involving **navigational DBMSs**. While **navigational DBMSs** offer tremendous benefits of data integration, reduction of data redundancy, and improved data integrity...

...databases during the decade of the 1980s, the vast majority of today's mainframe database **applications** still run on **navigational DBMSs**. There has been some effort toward designing relational language interfaces that can use the...stored.

Selected with so-called IMS Access Methods, the choices for root access are sequential, **indexed**, and hashed while the choices for subordinate **segment** access are sequential and **pointer** based. The more interesting, high-speed, online applications use (1) IMS databases that provide either indexed or hashed access to the root and (2) **pointer**-based (child and twin **pointer**) access to the subordinate **segments**. Figure 4 shows an arrangement of the child and twin **pointers** in a portion of a hierarchical occurrence or database record. In addition, secondary **indexes** can be created to provide direct access to any **segment** through any of its fields (which need not be unique), but still, only the key...

...database: An IMS secondary index can be based on a field in a subordinate source **segment** to retrieve a superior target **segment**.

For example, a secondary **index** can be based on the FSERIAL field of the Furniture **segment** of the Hotel hierarchy of Figure 1 to retrieve the room occurrences of the rooms...

...Segment/Record

Placement and Design

Accessing data or retrieving it in an integrated fashion in **navigational systems** means **navigating** through the hierarchical or network storage structure and retrieving related record occurrences. In terms of...been in IMS (excluding the case of synonyms). IMS permits direct access to a root **segment** using a choice of hashing or an **index**. Nonroot **segments** can be reached directly using secondary **indexes**, but not by hashing.

As we have seen, the design of the Organization hierarchy in...

...hierarchical structure, could require more than one.

An alternative would be to have a secondary **index** built over the XNAME field of the Officer **segment** and use that **index** to access the officers directly. But, if more than one organization has an officer of...

...As another alternative, a copy of the ONAME field could be added to the Officer **segment** and the secondary **index** built on the combination of the ONAME and XNAME fields, but that wastes space, creates...

...the Acme Hotel has 300 rooms, and so there are 300 occurrences of the Room **segment**, connected by twin **pointers** in a twin chain. Each Room occurrence can have several Furniture segment occurrences under it...this problem are the same as in the situation in the previous section. A secondary **index** can be applied to the Room **segment**, but because many hotels have the same room numbers, the Hotel segment will have to...

...a price in I/Os. Alternatively, the HNAME field can be added to the room **segment** and to the secondary **index** at the price of duplication. In another method, the Room **segment** can be promoted and become the root of its own hierarchy, in a way similar...

...child segments, like H-C and C-H in Figure 1, are both legitimate, physical **segments** containing **pointers** and intersection data (which the system maintains in duplicate on both sides of the relationship...many relational table (Booking in Figure 3), the functional equivalent of an IMS logical child **segment** is an **index** on the field that identifies the physical parent in the IMS database, combined with the...

...to the Convention segment would in IMS. Similarly, the functional equivalent of the C-H **segment** in Figure 1 would be an **index** on the combination of the ONAME and CYEAR fields in the Bookings table. Since, in ...

...pointed to, meaning CYEAR and ONANE in this example), direct (the physical address of the **segment** being pointed to), or both. Direct **pointers** are useful for quickly crossing the logical relationship boundary in a query. symbolic pointers are...Figure 6. The structure makes perfect sense from a logical point of view, and some **applications** may have to **navigate** from Hotel to Room to Furniture segments. What if there is also a particularly important...

...and the concept of the connecting pointers remains the same, except that now the child **pointers** in the Room occurrences point to a different data set **group**. Of course, with this arrangement, an application that requires the retrieval of each room with...

...problems in data processing. Today, a tremendous amount of the world's commerce runs on **navigational** database management **systems**. The ever-increasing interest in relational DBMSs means that a tremendous new path for application...

21/3, K/145 (Item 31 from file: 275)
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01367993 SUPPLIER NUMBER: 08714916 (USE FORMAT 7 OR 9 FOR FULL TEXT)
dBASE and SQL: mixing metaphors. (structured query language)
Buzzard, James
Data Based Advisor, v8, n6, p94(7)
June, 1990

ISSN: 0740-5200
WORD COUNT: 4060

LANGUAGE: ENGLISH
LINE COUNT: 00318

RECORD TYPE: FULLTEXT; ABSTRACT

... based database servers (SQL Server, Gupta's SQLBase, or Oracle Server) directly support expression-based **index** keys. You can build **indexes** based on **groups** of columns, but you can't use functions and operators in the index expression. To...when the cursor is declared.

The easiest (perhaps the only) way to map dBASE record- **navigation** commands to SQL database **systems** is to add a record number column to the SQL tables and use the contents...

21/3,K/146 (Item 32 from file: 275)
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01367992 SUPPLIER NUMBER: 08714914 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Managing text. (in a database) (includes related articles on text searches)
Perez, Ernest
Data Based Advisor, v8, n6, p83(10)
June, 1990
ISSN: 0740-5200 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 7521 LINE COUNT: 00605

... you to define a minimum number of key fields.

The second major overhead cost is **index** file **space** . This is the program's internal electronic record of **indexed** terms and text location pointers. Your program builds index files to record this information on disk. These **index** files take up disk **space** . The more key fields, records, and multiple term occurrences, and the longer the field lengths, the greater the cost of **index** overhead disk **space** .

Problems and solutions

Microcomputer text database software evolved for the same reasons that it became...They now rival index programs in retrieval speeds. These programs have the advantage of eliminating **index** file disk **space** overhead and batch indexing time.

Archival database managers remove the convenience of leaving text files...

...retrieval price scale. First, you invest time and effort for regular batch indexing. Then, the **index** eats up disk **space** , which may run from 20 percent to more than 100 percent of the original file **space** . Text **index** software prices range from about \$200 to \$500.

But there is a payoff. In my...

...retrieved text blocks to a 'current notes' ASCII file. ZYINDEX does require batch indexing and **index** overhead **space** , but it gives you the freedom to work with your normal ASCII and word processing...

...chores of defining and maintaining an archived database file.

Lotus Magellan requires very little overhead **space** . It can quickly and almost automatically **index** your entire hard disk. It provides very fast text retrieval (it searches a full 32M...don't require the time investment for batch indexing sessions.

They don't take up **index** overhead disk **space** . Finally, they don't require archival database definition and maintenance time.

If you don't...a course of full-disk searches, checking every file, every directory, as a gateway to **applications** , **navigating** subdirectories, etc. The result: It is powerful but unsophisticated in retrieving text. The most glaring...the company, isn't just a text manager

but an "infobase" comprised of folios' or **segments** of text that can be **indexed** rapidly and linked like hypertext. Interestingly, you probably already have a read-only copy of...of straight ASCII text files; doesn't support word processing files. Requires manually placed file **segment** and document-level identifiers. Automatic printed thesaurus and document term **index** preparation. Difficult to master, but Word Cruncher is especially suited to academic text analysis and...

...reserve space in every row to accommodate the longest occurring entries. So the amount of **space** used is minimized.

By specifying AREV Cross Reference **indexes** on the TEXT and ANALYSIS columns, you can immediately locate the set of documents whose...

21/3,K/147 (Item 33 from file: 275)
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01364949 SUPPLIER NUMBER: 08648430 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Confine & conquer information overload. (separating vital facts from masses of data) (includes related articles on information brokers, preparing to index data)
White, Ron; Bonner, Paul; Richards, Kathleen; Wallace, Peggy; Lewallen, Dale; Ross, Randy; Steinberg, Don
PC-Computing, v3, n8, p70(16)
August, 1990
ISSN: 0899-1847 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 6739 LINE COUNT: 00519

... can be updated to include new files and delete erased ones). Another problem is that **indexes** consume a lot of disk **space**.

Select a retrieval program with indexing if you often search the same set of files...hour using the PC-based system.

How to Use askSam:

Use askSam's menus to **navigate** through the **program** and create a database, a form for entering data, or new records. In the fields... lightning-quick searches-response times under two seconds are common. If you choose not to **index**, you don't give up any disk **space** for the **index** files, but the trade-off is slower searches.

Magellan applies fuzzy searching by also spotting...

...is slow and must be performed on a regular basis for Magellan to be effective. **Index** eats up disk **space** equal to 5 to 7 percent of the files **indexed**.

The Bottom Line:

With its wide variety of file viewers and its file manipulation features...

21/3,K/148 (Item 34 from file: 275)
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01360018 SUPPLIER NUMBER: 08487948 (USE FORMAT 7 OR 9 FOR FULL TEXT)
The art of navigating through hypertext. (includes related articles on moving through nodes and on interaction histories) (technical)
Nielsen, Jakob
Communications of the ACM, v33, n3, p296(15)
March, 1990
DOCUMENT TYPE: technical ISSN: 0001-0782 LANGUAGE: ENGLISH

RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 6017 LINE COUNT: 00465

... and at the local level (Figure 3).

Overview Diagrams

Overview diagrams have been used as **navigational** aids in several earlier hypertext **systems**. In this system we use two levels of overview diagrams to provide users with both a coarse-grained sense of **location** in the global **information space** and a more fine-grained sense of **location** in the local neighborhood of the current node. This approach works well in the current system which is fairly small, since its **information** space is divided into only 95 screens containing a text which took just 9 pages...

21/3,K/149 (Item 35 from file: 275)
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01284246 SUPPLIER NUMBER: 07210535 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Turbo debugging. (Borland's Turbo Debugger challenges Microsoft's CodeView debugger) (Software Review) (includes related articles on help from the hardware and CodeView under OS-2) (evaluation)

Myers, Ben
PC Tech Journal, v7, n1, p46(8)
Jan, 1989

DOCUMENT TYPE: evaluation ISSN: 0738-0194 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 5855 LINE COUNT: 00474

... hot keys and main- and local-menu commands. Despite this intimidating number, developers can easily **navigate** the **program** through the windows interface and its pop-up data-entry and selection boxes.

The main...have previously set this vector to a debugger entry point. The CPU saves the code **segment** (CS) and the instruction **pointer** (IP) flag registers on the stack, with the IP pointing just past the INT 3...

21/3,K/150 (Item 36 from file: 275)
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01213490 SUPPLIER NUMBER: 06142382 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Personal finance. (After Hours)
Trivette, Donald
PC Magazine, v6, n20, p482(2)
Nov 24, 1987
ISSN: 0888-8507 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 1246 LINE COUNT: 00098

... you may record a price objective, a stop-loss level, a risk factor, an industry **group**, and other items, including the value of an **index** -usually the Dow Jones Industrials-at the time of purchase. Because the program allows you...

...three functions.

Personal Investment Manager uses the pull-down menu, point-and shoot approach to **navigation** around the **program**. While this works very well, the same careful attention is not evident in the design...

21/3,K/151 (Item 37 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2004 The Gale Group. All rts. reserv.

01210255 SUPPLIER NUMBER: 05147457 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Directory of leaders. (electronic, semiconductor and computer corporate profiles) (Looking at the Leaders 1987) (Section II) (company profile)
Electronic News, v33, p6(39)
Aug 24, 1987
DOCUMENT TYPE: company profile LANGUAGE: ENGLISH RECORD TYPE:
FULLTEXT
WORD COUNT: 64433 LINE COUNT: 06382

... mail, graphics, host emulation, inquiry retrieval, interactive communications to multiple mainframes, micro-to-mainframe links, **office** support services, PC connectivity, relational database management, report generation, spreadsheet analysis, transaction processing and word processing.

Automotive & Industrial Electronics group, **Schaumburg**, Ill.; Joplin, Mo.; Arcade, N.Y.; Sequin, Tex.

Foreign locations: **United** Kingdom, Taiwan and France
Passenger Car Electronics division, **Heavy** Vehicle Electronics business, Sensors & Power Controls business, Electronic Appliance Controls business, Display business.

Plant Activities...

21/3,K/152 (Item 1 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)
(c) 2004 The Gale Group. All rts. reserv.

01278196 Supplier Number: 45191190 (USE FORMAT 7 FOR FULLTEXT)
VERITY WEB SERVER UNLEASHES POWERFUL INFORMATION AGENTS ON THE INTERNET
PR Newswire, pN/A
Dec 6, 1994
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 1624

... the World
Wide Web.

From Spyglass, Verity is licensing Enhanced NCSA Mosaic -- the most popular **software** **program** for **navigating** the World Wide Web. In addition, Verity and Spyglass have agreed to jointly develop search...
World Wide

Web clients. The server software requires approximately 1.5 MB of memory. Disk **space** requirements depend on **index** sizes -- normally 30 percent to 50 percent of document text content.

Price and Availability
The...

21/3,K/153 (Item 2 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)
(c) 2004 The Gale Group. All rts. reserv.

01265805 Supplier Number: 44886567 (USE FORMAT 7 FOR FULLTEXT)
DCA'S NEW GROUPWARE PRODUCT, "OpenMind," PROVIDES COLLABORATIVE

CONFERENCING DOCUMENT MANAGEMENT, PUBLISHING AND SEARCH FOR IN-HOUSE INFORMATION SYSTEMS
News Release, pN/A
August 1, 1994
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 1062

... data with external information and manage the enterprise's knowledge resources. Equipped with a powerful **navigation system** and search engine, document management utility, discussion database and intuitive graphical interface, OpenMind lets users...
...to messages, user information and documents in folders. OpenMind's client/server architecture stores files, discussions, **group** documents and other electronic forms of information, providing a fully- **indexed** repository of everything on OpenMind. This information can be automatically replicated between servers. OpenMind's...

21/3,K/154 (Item 1 from file: 636)
DIALOG(R) File 636:Gale Group Newsletter DB(TM)
(c) 2004 The Gale Group. All rts. reserv.

03675795 Supplier Number: 47922359 (USE FORMAT 7 FOR FULLTEXT)
.... **And Ponder a Consumer Right To Ombudsman Services**
Health Legislation & Regulation, v23, n34, pN/A
August 20, 1997
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 380

(USE FORMAT 7 FOR FULLTEXT)
TEXT:
...the new candidate for bill-of-rights status is ombudsman services to assist consumers in **navigating** the health care **system**. The idea is an outgrowth of the **group**'s one major **area** of consensus thus far--an extensive list of **information** about health insurance products, facilities, and practitioners to which every consumer should have access in ...

21/3,K/155 (Item 2 from file: 636)
DIALOG(R) File 636:Gale Group Newsletter DB(TM)
(c) 2004 The Gale Group. All rts. reserv.

03653475 Supplier Number: 47869100 (USE FORMAT 7 FOR FULLTEXT)
BZW SATIN INDEX SAYS SATELLITE STOCKS PERFORMED POORLY EARLY THIS YEAR
Global Positioning & Navigation News, v7, n15, pN/A
July 30, 1997
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 345

... from British Sky Broadcasting [BSY], which represents 30 percent to 40 percent of the **index** because of its large valuation, reports GPNN sister publication **SPACE BUSINESS NEWS**.

Richard Smithies, BZW director of space technologies, the investment division of Barclay's...

...NovAtel Inc. [NGPSF] made IPOs this year with some success. Position Inc., which purchased Pulsesearch **Navigation Systems** last year, said it plans to make a similar offering in the United States late...

21/3,K/156 (Item 3 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2004 The Gale Group. All rts. reserv.

03377908 Supplier Number: 46948356 (USE FORMAT 7 FOR FULLTEXT)

**MAPINFO: MapInfo announces SpatialWare DataBlade module for
INFORMIX-Universal Server**

M2 Presswire, pN/A
Dec 5, 1996
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 846

... customers for the first time will be able to handle both 2- and 3-dimensional **geographic data** within the same **data** type, for example, elevation, **spatial** shape and **location**. Access and analysis of this sort will be indispensable for **navigation**, transportation and military **applications**, among others. When combined with the 20-verb and operator extensions that MapInfo has made to SQL, this will allow powerful complex querying of **information** in INFORMIX- Universal Server.

A Single Data Column: The MapInfo SpatialWare DataBlade will for the
...

21/3,K/157 (Item 4 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2004 The Gale Group. All rts. reserv.

03368612 Supplier Number: 46932212 (USE FORMAT 7 FOR FULLTEXT)

THE THRILL IS GONE
Computer Aided Design Report, v16, n12, pN/A
Dec 1, 1996
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 5367

... have virtual- mockup software of their own. Dassault Systems recently announced a product called 4D **Navigator** for use with its CATIA **software**. Parametric Technology has a product called Pro/Fly-Through for Pro/Engineer. Computervision and EDS...

...It is also less costly. The secret to Virtual Mockup's speed is that it **indexes** data by the region of **space** that it occupies. Just as the **index** of a relational database allows computers to recall a single record without sequentially searching for...

21/3,K/158 (Item 5 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2004 The Gale Group. All rts. reserv.

03345408 Supplier Number: 46877936 (USE FORMAT 7 FOR FULLTEXT)

Set Items Description
S1 0 AU=(JAUGILAS J? OR JAUGILAS, J?)
S2 9219052 DATA? ? OR INFORMATION OR INFO
S3 250522 NAVIGAT?
S4 7784618 GEOGRAPH? OR LOCATION? OR AREA? ? OR REGION? ? OR ZONE? ? -
 OR SUBAREA OR SUBREGION? OR LOCALIT?
S5 8137974 INTESECT? OR CROSS??? OR MEET? OR LINK? OR OVERLAP? OR ENC-
 ROACH?
S6 1306039 INDEX?? OR INDICES OR POINTER? ?
S7 10706292 PARCEL? OR SPATIAL? OR SPACE? ? OR SEGMENT? OR GROUP? ? OR
 DIVISION? ?
S8 54108 S3(5N) (SOFTWARE? ? OR PROGRAM? OR APPLICATION? ? OR FREEWA-
 RE? OR SHAREWARE? OR SYSTEM? ?)
S9 391164 S2(10N)S4
S10 1564 S8(S)S9
S11 39995 S6(10N)S7
S12 1 S10 AND S11
S13 18 S8(S)S11
S14 66 S8 AND S11
S15 421149 S4(10N) (S6 OR S7)
S16 500 S8(S)S15
S17 281 S16(25N) (S5 OR S2)
S18 347 S12 OR S13 OR S14 OR S17
S19 25 S18 NOT PY>1997
S20 22 S19 NOT PD=19970905:20000905
S21 22 RD (unique items)
? show file
File 20:Dialog Global Reporter 1997-2004/Jun 03
 (c) 2004 The Dialog Corp.
File 476:Financial Times Fulltext 1982-2004/Jun 03
 (c) 2004 Financial Times Ltd.
File 610:Business Wire 1999-2004/Jun 02
 (c) 2004 Business Wire.
File 613:PR Newswire 1999-2004/Jun 03
 (c) 2004 PR Newswire Association Inc
File 624:McGraw-Hill Publications 1985-2004/Jun 03
 (c) 2004 McGraw-Hill Co. Inc
File 634:San Jose Mercury Jun 1985-2004/Jun 02
 (c) 2004 San Jose Mercury News
File 810:Business Wire 1986-1999/Feb 28
 (c) 1999 Business Wire
File 813:PR Newswire 1987-1999/Apr 30
 (c) 1999 PR Newswire Association Inc

21/3,K/1 (Item 1 from file: 624)
DIALOG(R) File 624:McGraw-Hill Publications
(c) 2004 McGraw-Hill Co. Inc. All rts. reserv.

00861466

FAA presses USAF on commitment to GPS
Aerospace Daily June 11, 1997; Pg 401; Vol. 182, No. 51
Journal Code: ASD ISSN: 0193-4546
Section Heading: EUROPE
Word Count: 395 *Full text available in Formats 5, 7 and 9*

TEXT:

...recently said in a letter to Lt. Gen. Patrick Caruana, vice commander of Air Force **Space** Command, that the Wide **Area** Augmentation System and the Local **Area** Augmentation System are "totally dependent on your continued success" with GPS. WAAS and LAAS are meant to adapt GPS **data** for use in precision operations near airports.

Two of the issues - sustaining the GPS constellation...

21/3,K/2 (Item 2 from file: 624)
DIALOG(R) File 624:McGraw-Hill Publications
(c) 2004 McGraw-Hill Co. Inc. All rts. reserv.

00859504

FAA, Airlines Grow Leery About Civilians' Role In GPS
Aviation Daily June 3, 1997; Pg 381; Vol. 328, No. 45
Journal Code: AD ISSN: 0193-4597
Word Count: 896 *Full text available in Formats 5, 7 and 9*

TEXT:

... aircraft, avionics and navigation systems, recently told Lt. Gen. Patrick Caruana, vice commander, Air Force **Space** Command, that the Wide **Area** Augmentation System and the Local **Area** Augmentation System are "totally dependent on your continued success" with GPS. WAAS and LAAS are meant to adapt GPS **data** for use in precision operations near airports. "I believe we should increase our joint planning..."

21/3,K/3 (Item 3 from file: 624)
DIALOG(R) File 624:McGraw-Hill Publications
(c) 2004 McGraw-Hill Co. Inc. All rts. reserv.

00859329

FAA, AIRLINES CONCERNED ABOUT LACK OF CIVILIAN INVOLVEMENT IN GPS
The Weekly of Business Aviation June 16, 1997; Pg 268; Vol. 24, No. 20
Journal Code: BA ISSN: 0509-9528
Word Count: 378 *Full text available in Formats 5, 7 and 9*

TEXT:

... aircraft, avionics and navigation systems, recently told Lt. Gen. Patrick Caruana, vice commander, Air Force **Space** Command, that the Wide **Area** Augmentation System and the Local **Area** Augmentation System are "totally dependent on your continued success" with GPS. WAAS and LAAS are meant to adapt GPS **data** for use in precision operations near airports. "I believe we should increase our joint planning..."

21/3,K/4 (Item 4 from file: 624)
DIALOG(R) File 624:McGraw-Hill Publications

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00783548

'New Rockwell' Keeps Collins

Aviation Week & Space Technology August 12, 1996; Pg 71; Vol. 145, No. 7

Journal Code: AW ISSN: 0005-2175

Section Heading: HEADLINE NEWS

Dateline: Colorado Springs

Word Count: 271 *Full text available in Formats 5, 7 and 9*

TEXT:

...and CEO.

Based in Cedar Rapids, Iowa, and Richardson, Tex., the Collins avionics and communication **systems** **divisions** being retained provide communications, **navigation**, flight control and position- **location** **systems** for commercial and business transports.

On the military side, Collins manufactures very-high and ultra-high frequency radios, GPS receivers, **data** **links**, flight management and integrated avionics systems.

Because this business area met Rockwell management's criteria...

21/3,K/5 (Item 5 from file: 624)

DIALOG(R) File 624:McGraw-Hill Publications

(c) 2004 McGraw-Hill Co. Inc. All rts. reserv.

00781249

AN UPDRAFT FOR CORPORATE JETS: Sales are so hot that even used planes are in short supply

Business Week August 5, 1996; Pg 33; Number 3487

Journal Code: BW ISSN: 0007-7135

Section Heading: News: Analysis & Commentary: AIRCRAFT

Word Count: 396 *Full text available in Formats 5, 7 and 9*

BYLINE:

By Tim Smart in New Haven, with Seanna Browder in Seattle

TEXT:

...space could even be reconfigured between flights. Other popular options: state-of-the art sound **systems** and the latest global **navigation** and weather gear. Executives ``want phones with triple lines so you can talk and fax, as well as get accurate weather **information**,'' says Bryan Moss, vice-chairman of Gulfstream.

Those requests mark a change from the 1970s...

21/3,K/6 (Item 6 from file: 624)

DIALOG(R) File 624:McGraw-Hill Publications

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0537495

PAYLOADS SOUGHT FOR FORMER SLEMS

Aviation Week & Space Technology January 3, 1994; Pg 54; Vol. 140, No. 1

Journal Code: AW ISSN: 0005-2175

Section Heading: SPACE TECHNOLOGY

Dateline: MOSCOW and WASHINGTON

Word Count: 626 *Full text available in Formats 5, 7 and 9*

BYLINE:

JEFFREY M. LENOROVITZ

TEXT:

...complicated. "When the SS-N-23s were fired from submarines, the missiles received updated positioning **data** from the submarine's own **navigation system** before launch," Gillman said. "We need to overcome this problem for water launches, and it..."

21/3,K/7 (Item 7 from file: 624)

DIALOG(R) File 624:McGraw-Hill Publications
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0462494

FAA Plans New Generation Of Sensors For Aircraft, Weather Surveillance

Aviation Daily February 25, 1993; Pg 312; Vol. 311, No. 38

Journal Code: AD ISSN: 0193-4597

Word Count: 256 *Full text available in Formats 5, 7 and 9*

TEXT:

...FAA automation systems for dissemination to controllers and pilots.

A program overview says that surveillance **information** collection and processing will include the detection, tracking and forecasting of weather conditions and aircraft targets in the terminal **area**. Terminal **area space** is measured from the gate through controlled airspace to the point of transition to en...

21/3,K/8 (Item 8 from file: 624)

DIALOG(R) File 624:McGraw-Hill Publications
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0091957

FAA Proposes Simulator-Based Study Of MLS Uses for Wide-Body Aircraft

Aviation Week & Space Technology October 10, 1988; Pg 115; Vol. 129, No. 14

Journal Code: AW ISSN: 0005-2175

Section Heading: Air Transport

Dateline: NEW YORK

Word Count: 980 *Full text available in Formats 5, 7 and 9*

BYLINE:

JAMES T. MCKENNA

TEXT:

... MLS and compare them to the potential capabilities of systems based on ILS, including:

--The **area** navigation (RNAV), or point-in- **space** flying, capabilities of MLS compared to RNAV capabilities of ILS and FMS systems **linked** to VOR/DME, Loran C, or global positioning satellite (GPS) **navigation systems**.

--The electronic vertical **navigation** (VNAV) capabilities of MLS, compared to the other systems.

--Development of procedures and **data** to support TERPS criteria that will enable carriers to gain the benefits of MLS.

CAPACITY...

21/3,K/9 (Item 1 from file: 810)
DIALOG(R) File 810:Business Wire
(c) 1999 Business Wire . All rts. reserv.

0707028 BW0201

IXMICRO GYRATION: ixMICRO and Gyration Team Up; ixMICRO to Manufacture and Market Gyration's Wireless GyroPoint Pro II Pointer

May 27, 1997

Byline: Business Editors/Computer Writers

...wireless RF-based pointer for multimedia and presentations.
The GyroPoint Pro II is a free- **space pointer** that uses radio frequency (RF) technology and offers the widest transmission range. It resembles and...

...Silicon Valley where its mission is to provide motion sensors to a wide range of **applications** , particularly in the automotive **navigation** and vehicle control, personal computer, consumer game electronics and camcorder stabilization markets. Gyration is located...

21/3,K/10 (Item 2 from file: 810)
DIALOG(R) File 810:Business Wire
(c) 1999 Business Wire . All rts. reserv.

0609841 BW1347

S & P SMALLCAP TRIMBLE: Trimble Navigation added to S&P SmallCap 600 index

July 31, 1996

Byline: Business Editors

...WIRE)--July 31, 1996--The Equity Services Group of Standard & Poor's will replace Ideon **Group** Inc. (IQ) in the S&P SmallCap 600 **Index** with Trimble Navigation Ltd. (TRMB) after the close of trading on Wednesday, Aug. 7, 1996.

Iideon **Group** is being acquired by S&P 500 **Index** component CUC International Inc. (CU). Ideon **Group** shareholders will vote on the merger on that date.

Trimble Navigation makes navigation, positioning, and...

...determine precise geographic locations. Its products are used in surveying and mapping, aviation and marine **navigation systems** , tracking **systems** , and cellular products. The company, which is headquartered in Sunnyvale, Calif., will be added to...

21/3,K/11 (Item 3 from file: 810)
DIALOG(R) File 810:Business Wire
(c) 1999 Business Wire . All rts. reserv.

0537252 BW1192

VENTANA COMMS GRP: Ventana launches Netscape Power Pack into Retail Channel; Ventana expects another strong retail performance

November 27, 1995

Byline: Business Editors

...through
retail outlets.

Ventana is Netscape's exclusive retail affiliate for its line of Netscape **Navigator** and Netscape Power Pack **software** products. Netscape Power Pack has an estimated street price of \$39.95.

Netscape Power Pack...

...be listened to at high-quality (16-bit). QuickTime can be used with many Windows **applications**, including Netscape **Navigator** and Adobe Persuasion, and supports Windows MCI (Media Control Interface) and OLE (Object Linking and...
...gain exclusive access to an extensive collection of useful Web sites and newsgroups. Aim your **pointer** to <http://www.vmedia.com/pressclub>

CONTACT: Ventana Comm. Group
Katy Dunn, 919/544-9404
Fax, 919/544-9472
kdunn@vmedia.com
or
Copithorne & Bellows...

21/3,K/12 (Item 4 from file: 810)
DIALOG(R)File 810:Business Wire
(c) 1999 Business Wire . All rts. reserv.

0420915 BW1031

DIGITAL COMM ASSOC 2: DCA's new groupware product, "OpenMind," provides collaborative conferencing, document management, publishing and search for in-house information systems

August 1, 1994

Byline: Business Editors

...data with external information and manage the enterprise's knowledge resources.

Equipped with a powerful **navigation system** and search engine, document management utility, discussion database and intuitive graphical interface, OpenMind lets users...

...messages, user information and documents in folders.

OpenMind's client/server architecture stores files, discussions, **group** documents and other electronic forms of information, providing a fully **indexed** repository of everything on OpenMind. This information can be automatically replicated between servers.

OpenMind's...

21/3,K/13 (Item 1 from file: 813)

Bode Akintola03-Jun-04

DIALOG(R) File 813:PR Newswire
(c) 1999 PR Newswire Association Inc. All rts. reserv.

1118664 SFM037
Gyration Unveils World's Smallest Gyroscope

DATE: June 30, 1997 11:02 EDT WORD COUNT: 827

... 100, optimized for easy integration into computer input devices, remote controls, game controllers and auto **navigation systems**. The MicroGyro 100 is designed to greatly reduce signal error and drift; two factors which ...

... heavy and expensive. Today, miniature consumer gyroscope sensors -- primarily piezoelectric -- can be found in automotive **navigation** and vehicle control **systems**, consumer electronic and personal computer products. Gyration was first to equip computer input devices with...

...About Gyration

Gyration's mission is to provide motion sensors to a wide range of **applications**, particularly in the automotive **navigation**, vehicle control, personal computer, consumer game electronics and camcorder stabilization markets. Gyration designed the world...
... wrist movement into cursor movement through gestural control, introducing its line of gyroscope-based free- **space pointers** in 1995. The company's gyroscopes, GyroPoint and FM radio technologies are sold directly to...

21/3,K/14 (Item 2 from file: 813)
DIALOG(R) File 813:PR Newswire
(c) 1999 PR Newswire Association Inc. All rts. reserv.

1081711 PHM052
Linda Creed Breast Cancer Foundation New Regional Hotline -- 1-888-CREED-4-U -- Is Up and Running

DATE: April 14, 1997 16:04 EDT WORD COUNT: 413

... m. Messages left after these hours are responded to within 24 hours. Volunteers offer current **information** on the process of breast cancer, treatment options, how to **navigate** the health care **system**, available resources as well as the Foundation's free screenings, support services, educational programs and advocacy work. **Information** on the status of current research and clinical trials will also be available. Women will...

21/3,K/15 (Item 3 from file: 813)
DIALOG(R) File 813:PR Newswire
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1015248 ATW012
Credit Grantors Offered Ultimate Tool to Manage Risk of Bankruptcies

DATE: October 30, 1996 11:03 EST WORD COUNT: 724

...And what do I need to do to manage any problems?

The backbone of the **system** is the **Bankruptcy Navigator Index** (sm), an innovative set of risk and bankruptcy models that **segment** customers according to signs of risk, then overlays a geographical **index** reflecting the current environment and forecasted performance for 231 statistical areas.

The Index is used...

21/3,K/16 (Item 4 from file: 813)
DIALOG(R)File 813:PR Newswire
(c) 1999 PR Newswire Association Inc. All rts. reserv.

0997172 LATH018
3M Corporation Uses Netscape Client And Server Software For Its Corporate Intranet

DATE: September 19, 1996 08:31 EDT WORD COUNT: 641

...for a global corporate Intranet. Known internally as CISS (pronounced kiss), which stands for Corporate Information Sharing Standards, the Intranet is primarily used to distribute standards guidelines, job postings, news, information and publications by business units and staff groups. The vision is to provide employees with a single location where they can start each day and learn about the latest events and information at 3M. The company purchased a license for 10,000 copies of Netscape **Navigator** (TM) client **software** and a license for Netscape SuiteSpot(TM) server software to develop its corporate Intranet.

"Because...

21/3,K/17 (Item 5 from file: 813)
DIALOG(R)File 813:PR Newswire
(c) 1999 PR Newswire Association Inc. All rts. reserv.

0954645 NYTU012
DISCOUNT MORTGAGE WEB SITE FEATURED AT HOTBOT

DATE: May 28, 1996 08:30 EDT WORD COUNT: 316

...featured at HotBot, according to ALTA International. HotBot, a service of WIRED magazine's Web **division** HotWired, is the largest Web **index**. It allows users to customize searches by date, geography, domain, or a combination of all...

...the mortgage brokers behind maze.com. Turnauer is the author of the consumer's book/ **software** package " **Navigating the Mortgage Maze**" (Henry Holt, Fall 1996).

"The site features more than low interest rates...

21/3,K/18 (Item 6 from file: 813)

DIALOG(R) File 813:PR Newswire
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0799638 NE018
NAVIGATO ANNOUNCES CONTRACT WITH BUDSTIKKEN FOR FMS-200 FLEET MANAGEMENT SYSTEM

DATE: March 20, 1995 11:38 EST WORD COUNT: 290

...engaged in the business of developing, manufacturing and marketing satellite-based fleet management, communication and **information systems**.

The **Navigato FMS 200 system** is a total fleet management system consisting of a mobile, on-board computer with an...

...based PC dispatch system. In mobile operation, the system works together with a mobile communication **link** such as a radio, cellular phone or satellite transceiver and provides vehicle **location**, Computer Aided Dispatch, **parcel** -and vehicle-tracking odometer reading, and control of other on-board functions such as refrigeration...

21/3,K/19 (Item 7 from file: 813)

DIALOG(R) File 813:PR Newswire
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0768634 SF010
VERITY WEB SERVER UNLEASHES POWERFUL INFORMATION AGENTS ON THE INTERNET

DATE: December 6, 1994 21:03 EST WORD COUNT: 1,651

...the World Wide Web.

From Spyglass, Verity is licensing Enhanced NCSA Mosaic -- the most popular **software program** for **navigating** the World Wide Web. In addition, Verity and Spyglass have agreed to jointly develop search...World Wide Web clients. The server software requires approximately 1.5 MB of memory. Disk **space** requirements depend on **index** sizes -- normally 30 percent to 50 percent of document text content.

Price and Availability

The...

21/3,K/20 (Item 8 from file: 813)

DIALOG(R) File 813:PR Newswire
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0721995 SJ001
GYRATION AND IN FOCUS SYSTEMS SIGN MARKETING AGREEMENT

DATE: July 11, 1994 11:00 EDT WORD COUNT: 364

...Inc. (Nasdaq: INFS) in which In Focus will market and distribute GyroPoint, GYRATION's free- **space** computer **pointer** for the presentation and multimedia markets. Under the multi-year contract, In Focus Systems

will...

...of the cost of an industrial gyroscope, GyroEngine can be used for non-traditional gyroscope **applications** such as automobile **navigation systems**, television remote controls, and multimedia computer products such as GyroPoint.

In Focus Systems is the...

21/3,K/21 (Item 9 from file: 813)
DIALOG(R) File 813:PR Newswire
(c) 1999 PR Newswire Association Inc. All rts. reserv.

0537267 NY045
IBM BUILDING COMPUTERS THAT LISTEN

DATE: November 16, 1992 11:31 EST WORD COUNT: 1,492

...will use speech recognition products when ease of use and productivity are important. The workplace **segment** of the speech recognition market is divided into key **areas** based on user needs, including general navigation and command, basic business productivity, general dictation and input, advanced function command, **data** entry and advanced function dictation. IBM meets these needs with a variety of speech recognition...

21/3,K/22 (Item 10 from file: 813)
DIALOG(R) File 813:PR Newswire
(c) 1999 PR Newswire Association Inc. All rts. reserv.

0275093 LA001
ROCKWELL INTERNATIONAL REPOSITIONS ITS DEFENSE ELECTRONICS DIVISIONS BY MARKET AND TECHNICAL STRENGTHS

DATE: June 6, 1990 09:05 EDT WORD COUNT: 482

...Collins Government Avionics Division, headed by Bob Marovich as vice president and general manager. This **division** also is headquartered in Cedar Rapids, Iowa. Business **areas** include: communications and **navigation systems**; integrated cockpit and flight management systems; and command and control **data links**.

Rockwell International is a \$12 billion multi-industry company applying advanced technology to a wide...

INTUIT: New version of Intuit's Investor Insight uses Internet connection for information updates
M2 Presswire, pN/A
Nov 11, 1996
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 826

... version also contains an enhanced and streamlined interface for increased ease of use and faster **navigation** within the **software**. As in the original version released in September 1995, up-to-date **information** is available to Investor Insight users through completely integrated online access to the databases of...

21/3,K/159 (Item 6 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2004 The Gale Group. All rts. reserv.

03269721 Supplier Number: 46711061 (USE FORMAT 7 FOR FULLTEXT)
VENTANA: Ventana introduces official Netscape Navigator 3.0 book & official Navigator Gold 3.0 book
M2 Presswire, pN/A
Sept 16, 1996
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 939

... include a companion CD-ROM featuring a fully-supported copy of the widely-popular Netscape **Navigator** client **software** for use with enterprise networks or Intranets and the Internet. Also included are eight different...

...to orders@vmedia.com; or via the World Wide Web at <http://www.vmedia.com/> **index**.html.

CONTACT: Katherine Cloninger, Ventana Communications **Group** Tel: +1 919/544-9404 x 1270 Fax: +1 919/544-9472 e-mail: katherin...

21/3,K/160 (Item 7 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
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03214052 Supplier Number: 46592229 (USE FORMAT 7 FOR FULLTEXT)
PATENTS:One System Does it All
Advanced Transportation Technology News, v3, n4, pN/A
August 1, 1996
Language: English Record Type: Fulltext
Document Type: Newsletter; Professional
Word Count: 265

(USE FORMAT 7 FOR FULLTEXT)
TEXT:

... Patent No. 538338 for a "Real-time, three dimensional, geo-referenced digital orthographic-based positioning, **navigation**, collision avoidance and decision support **system**." Quite a mouthful.

... computational means for accessing an image library of differentially rectified images for predefined geographic areas **indexed** by **spatial** coordinates. And finally, a data library of terrain elevation data within predefined geographic areas for...

21/3,K/161 (Item 8 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
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03205832 Supplier Number: 46571843 (USE FORMAT 7 FOR FULLTEXT)
REGULATION: COMMENTERS AGREE WITH CANCELLATION OF RULE FORBIDDING TRUCK TV SCREENS

Inside DOT & Transportation Week, v7, n30, pN/A
July 25, 1996
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 647

... proposal say the change is necessary to allow truckers to take advantage of intelligent transportation **system** (ITS) technologies such as satellite **navigation** .

Charles Medalen of the FHWA said using the screens for entertainment while driving would still...

...and said that state laws will cover driver inattentiveness. But FHWA has not supplied an **index** of state laws that control driver inattentiveness, Donaldson noted. His **group** recommended FHWA forbid drivers to use the screens when their vehicles are moving or in...

21/3,K/162 (Item 9 from file: 636)
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02922269 Supplier Number: 45943907 (USE FORMAT 7 FOR FULLTEXT)
ILOG: Ilog and Vega to develop runway simulation for the CAA
M2 Presswire, pN/A
Nov 17, 1995
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 700

... the space industry, VEGA has used this strong technological foundation to also diversify into other **areas** including:
* training emulation
* **software** and communications
* **space applications** , including **navigation** and **information systems** .

VEGA has a wide range of clients from major public and private sector organisations both...

21/3,K/163 (Item 10 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
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02883219 Supplier Number: 45852867 (USE FORMAT 7 FOR FULLTEXT)
EU/ASEAN: ASEAN AND COMMISSION HAIL SUCCESS OF JOINT COMMITTEE
European Report, n2074, pN/A
Oct 11, 1995
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 778

... was an offer by the EU to allow the ASEAN countries to use the Global Navigation Satellite System, currently used by the EU and the US as a telecommunications link and navigation service for sea and land transport. Energy projects were also proposed, including studies on how to exploit the oil and biomass resources in the ASEAN region. Both sides also encouraged the Eminent Persons Group of top businessmen, officials and former Ministers which has yet to meet for a brainstorming session on the long-term future of EU-ASEAN relations. The Eminent...

21/3,K/164 (Item 11 from file: 636)
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02878056 Supplier Number: 45841059 (USE FORMAT 7 FOR FULLTEXT)
\$1 MILLION IN MILITARY ROBOTIC AND UNMANNED SYSTEMS SBIRS
Military Robotics, v8, n18, pN/A
Oct 5, 1995
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 173

... curved structures (N95-039); and, develop the dynamic behavior of an unmanned underwater vehicle surf zone control system (N95-063).
Air Force: space systems technology development (AF95-071); small innovative energy storage systems (AF95-072); solid state data storage for space systems (AF95-073); advanced vibration isolation system for precision manufacturing tools (AF95...).

21/3,K/165 (Item 12 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
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02869971 Supplier Number: 45826208 (USE FORMAT 7 FOR FULLTEXT)
MEETINGS:Tech Meetings Highlight GPS
Advanced Transportation Technology News, v2, n6, pN/A
Oct 1, 1995
Language: English Record Type: Fulltext
Document Type: Newsletter; Professional
Word Count: 265

... inertial, GPS and alternate technologies, innovations in aviation navigation and air traffic control applications, wide area augmentation systems (WAAS) as well as marine, space, military, differential global positioning systems (DGPS) and civil engineering applications.

Organizations who would like to exhibit navigation technology at the meeting, especially those involved in land and marine applications, should call the program chairman, John Lavrakas...

21/3,K/166 (Item 13 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
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02764275 Supplier Number: 45609697 (USE FORMAT 7 FOR FULLTEXT)
DIGITAL WORLD REVEALS DIVERGENCE DESPITE COLLABORATIVE ATTEMPTS
Information & Interactive Services Report, v16, n12, pN/A
June 16, 1995

Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 1880

... has become the major consumer device and predicted that by 1998 TV programming will include **pointers** to the Internet. Linda Stone, director in the Advanced Technology **Group** at Microsoft Corp., added that an on-screen avatar will add new dimensions to the...to the Web. Macromedia and Netscape claim their "technology integration" of Macromedia Director multimedia playback **software** and Netscape **Navigator** "will change the character of the World Wide Web from static pages to dynamic, interactive

...

213,K/167 (Item 14 from file: 636)
DIALOG(R) File 636:Gale Group Newsletter DB(TM)
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02540160 Supplier Number: 45121935 (USE FORMAT 7 FOR FULLTEXT)
COMMUNICATIONS #3: INVESTOR DISAGREEMENTS DOOM LONDON AFFILIATE OF METRO TRAFFIC CONTROL

Inside IVHS, v4, n22, pN/A
Nov 7, 1994

Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 855

... the American Automobile Association in its efforts to recruit volunteer drivers, says Joan Ravier, western **region** director for Metro's **Mobility Information Group**.

Metro is participating in the Seattle Wide **Area** Communication System operational test, led by Seiko (see Inside IVHS, May 9, 1994), and in...

...involved in a joint venture with Differential Corrections, Inc. (DCI) to deliver real time traffic **information** to onboard **navigation systems** over DCI's network of FM radio subcarriers, using Radio Broadcast **Data System** (RBDS) technology.

Loral Federal Systems, which heads one of four teams working to develop...

213,K/168 (Item 15 from file: 636)
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02437194 Supplier Number: 44857717 (USE FORMAT 7 FOR FULLTEXT)
ANNOUNCEMENT #2: COMING IN AUTUMN FROM WATERS INFORMATION SERVICES... THE INTERNATIONAL IVHS INDEX: INTELLIGENT VEHICLE/HIGHWAY SYSTEMS

Intelligent Highway, v5, n9, pN/A
July 22, 1994

Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 480

... varied set of IVHS applications and players. A partial list includes:

- * Travel/Traffic Information Providers
- * Navigation and Route Planning **Systems**
- * Map Databases
- * Vehicle Positioning Systems/AVL

- * Fleet Tracking Systems
- * Communication Networks and Systems
- * Vehicle Control...

...and Engineering Firms

- * Federal and State DOTs
- * Transportation Research Facilities
- * Universities
- * Professional Associations and Trade Groups
- * Automakers

The International IVHS Index will be ready for shipping in September. If you would like to receive more information...

21/3,K/169 (Item 16 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
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02399486 Supplier Number: 44748368 (USE FORMAT 7 FOR FULLTEXT)
ANNOUNCEMENT: COMING THIS AUTUMN FROM WATERS INFORMATION SERVICES... THE INTERNATIONAL IVHS INDEX: INTELLIGENT VEHICLE/HIGHWAY SYSTEMS
Intelligent Highway, v5, n6, pN/A
June 10, 1994
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 454

... varied set of IVHS applications and players. A partial list includes:

- * Travel/Traffic Information Providers
- * Navigation and Route Planning Systems
- * Map Databases
- * Vehicle Positioning Systems/AVL
- * Fleet Tracking Systems
- * Communication Networks and Systems
- * Vehicle Control...

...and Engineering Firms

- * Federal and State DOTs
- * Transportation Research Facilities
- * Universities
- * Professional Associations and Trade Groups
- * Automakers

The International IVHS Index
will be ready for shipping in September. If you wo
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02330049 Supplier Number: 44548234 (USE FORMAT 7 FOR FULLTEXT)
ANNOUNCEMENT THE IVHS INDEX: INTELLIGENT VEHICLE/HIGHWAY SYSTEMS
Inside IVHS, v4, n7, pN/A
March 28, 1994
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade

Word Count: 456

... the varied set of IVHS applications and players. A partial list includes:

Traffic Information Providers
Navigation Systems
Map Databases
Positioning Systems
Fleet Tracking
Communications
Vehicle Control
Electronic Toll Systems
AVI Vendors
Smart Card Suppliers
Video Enforcement...

...Contacts

State DOTs Active in IVHS
Government Funded Research Facilities
Universities

Professional Associations and Trade Groups

The IVHS Index will be ready for shipping in October. The price will is \$595. To receive a...

21/3,K/171 (Item 18 from file: 636)

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02048082 Supplier Number: 43732399 (USE FORMAT 7 FOR FULLTEXT)

GPS COMPANIES PROFIT FROM GROWING IVHS MARKET

GPS Report, v3, n6, pN/A

March 25, 1993

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 1039

... data messages and allows fleet managers and drivers to communicate loading, dispatching and delivery status information .

Rockwell is providing GPS receivers to Techsonic Industries Inc. for use in a state-of-the-art mobile navigation system for the Dallas Area Rapid Transit (DART). Rockwell receivers are part of a \$16.4...

21/3,K/172 (Item 19 from file: 636)

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01846950 Supplier Number: 43155809 (USE FORMAT 7 FOR FULLTEXT)

ION TECHNICAL MEETING DELVES INTO HISTORY OF NAVIGATION UP TO GPS

GPS Report, v2, n14, pN/A

July 16, 1992

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 545

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

The Institute of Navigation (ION) 48th Annual Meeting held here earlier this month ended on a historic note. After participants examined GPS integration with other navigational systems , explored the current state

of aircraft and marine **navigation** , discussed **space vehicle applications** of GPS, and interpreted how **geographic information systems** (GIS) have impacted **navigation** , the topic turned to a look back at the earliest forms of navigation.

21/3,K/173 (Item 20 from file: 636)
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01510588 Supplier Number: 42142958 (USE FORMAT 7 FOR FULLTEXT)
NAVIGATION: CHICAGO'S ADVANCE PROJECT PARTICIPANTS CLOSE TO AGREEMENT
Inside IVHS, v1, n12, pN/A
June 10, 1991
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 1029

... technology (see Inside IVHS, April 1, 1991).
ADVANCE officials intend to transmit real time traffic **information** within a 250-square-mile suburban area northwest of Chicago to 4,500-5,000 vehicles equipped with **navigation** and **information systems** . The primary source of **information** about travel times on different road **segments** within that **area** will be the vehicles themselves, which will function as probes on highways and arterial roads...

21/3,K/174 (Item 21 from file: 636)
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01439662 Supplier Number: 41918058 (USE FORMAT 7 FOR FULLTEXT)
On-Board Navigation Systems Coming
PRS Automotive Service, pN/A
March 6, 1991
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 241

(USE FORMAT 7 FOR FULLTEXT)
TEXT:
...current position and direction, the systems can be adapted to have substantial, further applications of **information systems**, such as guidance to desired locations, direction-giving for those searching the vehicle, and spreading of geographically appropriate mixtures of fertilizer in agricultural **applications** . Trimble **Navigation** , Rockwell International and Magellan **Systems** are the three companies with most exposure of their systems in the recent Persian Gulf...